

April 1, 1982

RECEIVED  
APR 05 1982

DIVISION OF  
OIL, GAS & MINING

State Of Utah  
Division of Oil, Gas & Mining  
State Office Building  
Salt Lake City, Utah 84114

NTL-6 Transmittal  
Lomax Exploration Company

Gentlemen:


Enclosed you will find in triplicate the APD/NTL-6 for the following locations:

Federal #9-23  
NE/SE Section 23, T9S, R16E  
Duchesne County, Utah

Federal #11-24  
NE/SW Section 24, T9S, R16E  
Duchesne County, Utah

Please advise if you need additional information.

Very truly yours,

  
Michele Tisdal  
Sec. Drilling & Production

/mt  
Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Lomax Exploration Company

## 3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, Texas 77210

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

2080 FSL, 659 FEL, Section 23, T9S, R16E

At proposed prod. zone

NE SE

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

18.2 miles from Myton Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

659

## 16. NO. OF ACRES IN LEASE

1200

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

1850

## 19. PROPOSED DEPTH

6200 *Wanted*

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5663

## 22. APPROX. DATE WORK WILL START\*

May, 1982

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300	200 sx
7 5/8	5 1/2	15.50#	TD	500 sx

- ATTACHMENTS: 1. 10 Point Program
- 
2. 13 Point Program
- 
3. Location Plat
- 
4. Location Layout
- 
5. Topo Maps "A" & "B"

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MININGDATE: 4/8/82BY: G. L. Pruitt

RECEIVED

APR 05 1982

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

G. L. Pruitt

TITLE

Mgr. Drilling &amp; Production

DATE

3/30/82

(This space for Federal or State office use)

PERMIT NO.

43-013-30654

APPROVAL DATE

APPROVED BY

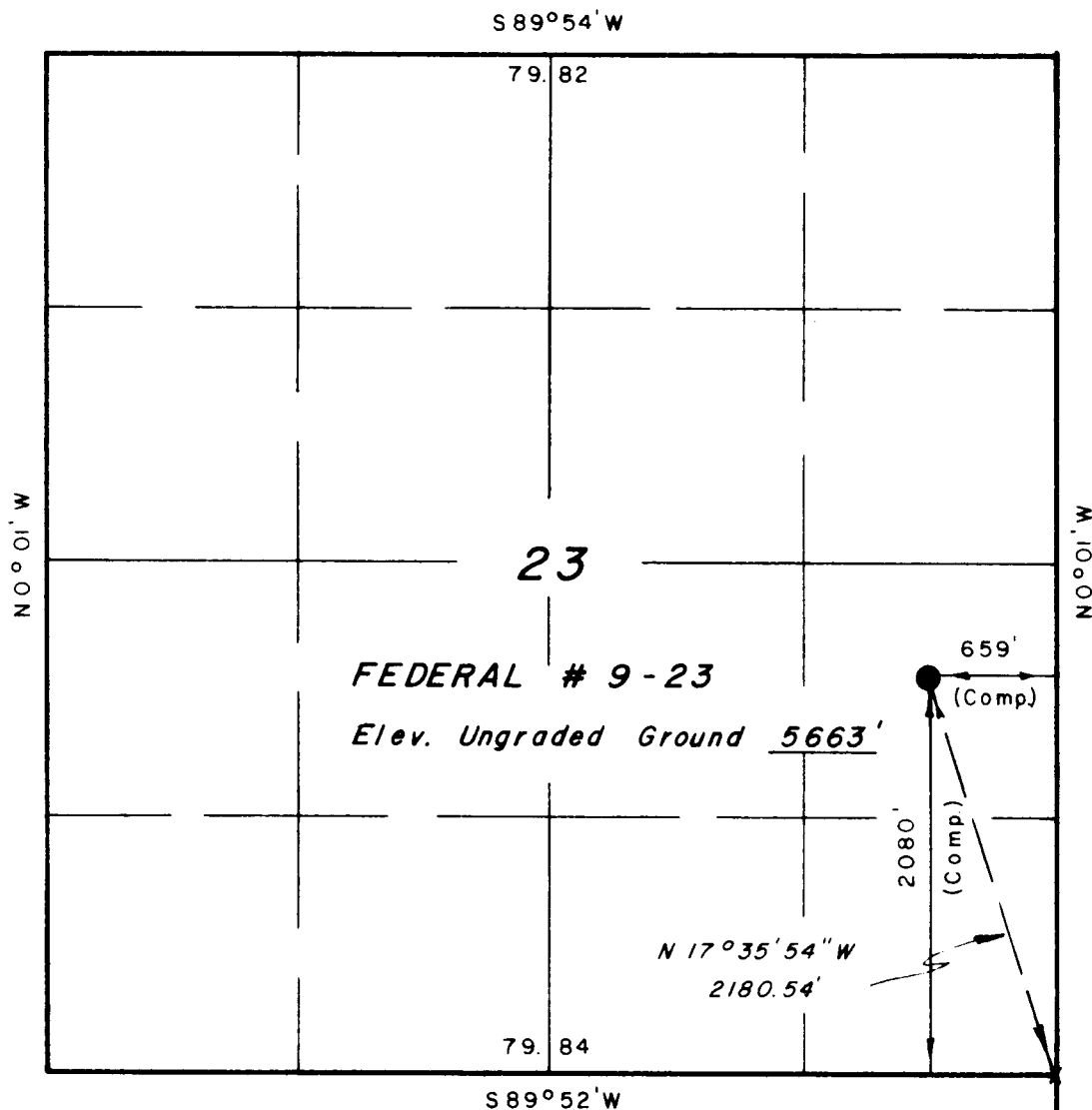
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

*T 9 S , R 1 6 E , S , L . B . & M .*



X = Section Corners Located

E 1/4 Corner Section 26, T9S, R16E, S.L.B. & M.

PROJECT  
LOMAX EXPLORATION CO.

Well location, *FEDERAL*  
# 9-23, located as shown  
in the NE 1/4 SE 1/4 Section  
23, T9S, R16E, S.L.B. & M.  
Duchesne County, Utah.



CERTIFICATE

I HEREBY CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P O BOX Q ~ 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	10 / 29 / 81
PARTY	L.D.T. S.H. S.B.	REFERENCES	GLO Plat
WEATHER	Fair	FILE	LOMAX EXPLOR.

## TEN POINT WELL PROGRAM

Lomax Exploration Company  
Federal #9-23  
NE/SE SEction 23, T9S, R16E  
Duchesne County, Utah

### 1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0-3150
Green River	3150
Wasatch	6200

### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River	3150	
H zone	3500	Sand & Shale - possible oil & gas shows
J zone	4400	Sand & Shale - Oil & Gas shows anticipated
M zone	5600	Sand & Shale - Primary objective - oil

### 4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 24#; set at 300'  
5 1/2", J-55, 15.50#, STC; set at TD  
All casing will be new

### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See exhibit A)

### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.



7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately May, 1982.

LOMAX EXPLORATION

13 Point Surface Use Plan

For

Well Location

Federal #9-23

Located In

Section 23, T9S, R16E, S.L.B. & M.

Duchesne County, Utah

LOMAX EXPLORATION  
Federal #9-23  
Section 23, T9S, R16E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION well location site Federal #9-23, located in the NE 1/4 SE 1/4 Section 23, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 - 1.9 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 10.3 miles to its junction with an existing dirt road to the Southwest; proceed Southwesterly along this road 4.4 miles to its junction with the proposed access road (to be discussed in Item #2).

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South; thereafter the road is constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are mainted by County crews.

The aforementioned dirt oil field service roads and other roads in the vacinity are constructed out of existng native materials that are prevalent to the existing areas they are located in and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the SW 1/4 NW 1/4 Section 24, T9S, R16E, S.L.B. & M., and proceeds in a Southwesterly direction approximately 0.45 miles to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

LOMAX EXPLORATION  
Federal #9-23  
Section 23, T9S, R16E, S.L.B. & M.

There may be one culvert required along this access road, it will be placed according to specifications for culvert placement found in the Oil & Gas Operation Manual.

There will be no turnouts required along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

### 3. LOCATION OF EXISTING WELLS

There are known wells within a one mile radius of this location site. (See Topographic Map "B"). There are numerous new wells in this field. The exact locations of which are not known.

### 4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are existing LOMAX EXPLORATION wells within a one mile radius of this location site. These locations have the following production facilities - two 300 barrel tanks, line heaters, pumping units and heater trace.

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing well in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

### 5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 18 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

LOMAX EXPLORATION  
Federal #9-23  
Section 23, T9S, R16E, S.L.B. & M.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site .

LOMAX EXPLORATION  
Federal #9-23  
Section 23, T9S, R16E, S.L.B. & M.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a large basin fromed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 19 miles to the Southeast of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger allubial deposits from the Quaternary Period.

LOMAX EXPLORATION  
Federal #9-23  
Section 23, T9S, R16E, S.L.B. & M.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

#### The Topography of the Immediate Area - (See Topographic Map "B").

Federal #9-23 is located approximately 2.5 miles North of Big Wash a non-perennial drainage which runs to the East.

The terrain in the vicinity of the location slopes from the Southwest to the Northeast at approximately 3.8% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

#### 12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Jack Pruitt  
LOMAX EXPLORATION  
333 North Belt East, Ste. 880  
Houston, TX 77060

1-713-931-9276

LOMAX EXPLORATION

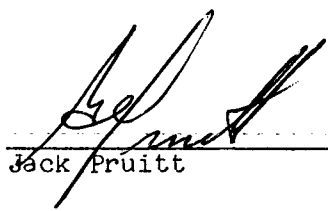
Federal #9-23

Section 23, T9S, R16E, S.L.B. & M.

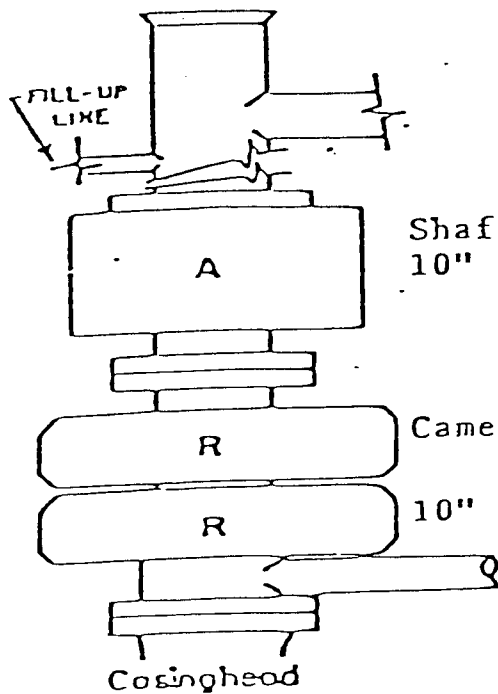
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by LOMAX EXPLORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

\_\_\_\_\_  
Date

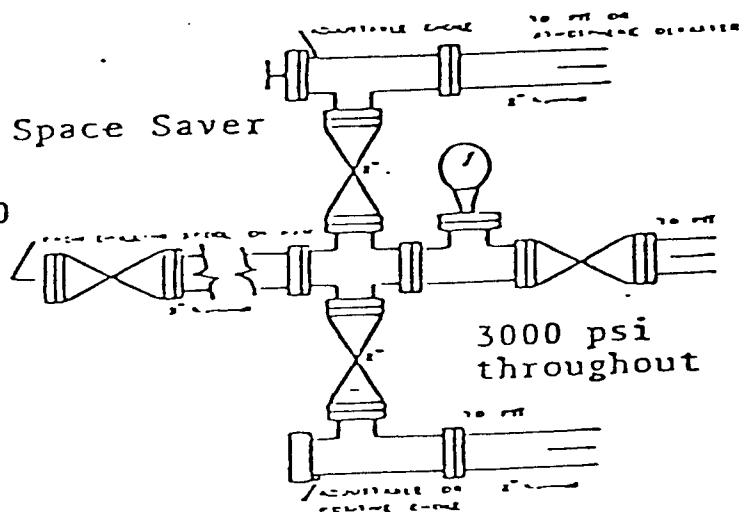
  
\_\_\_\_\_  
Jack Pruitt





Shaffer Spherical  
10" 900

Cameron Space Saver  
10" 900

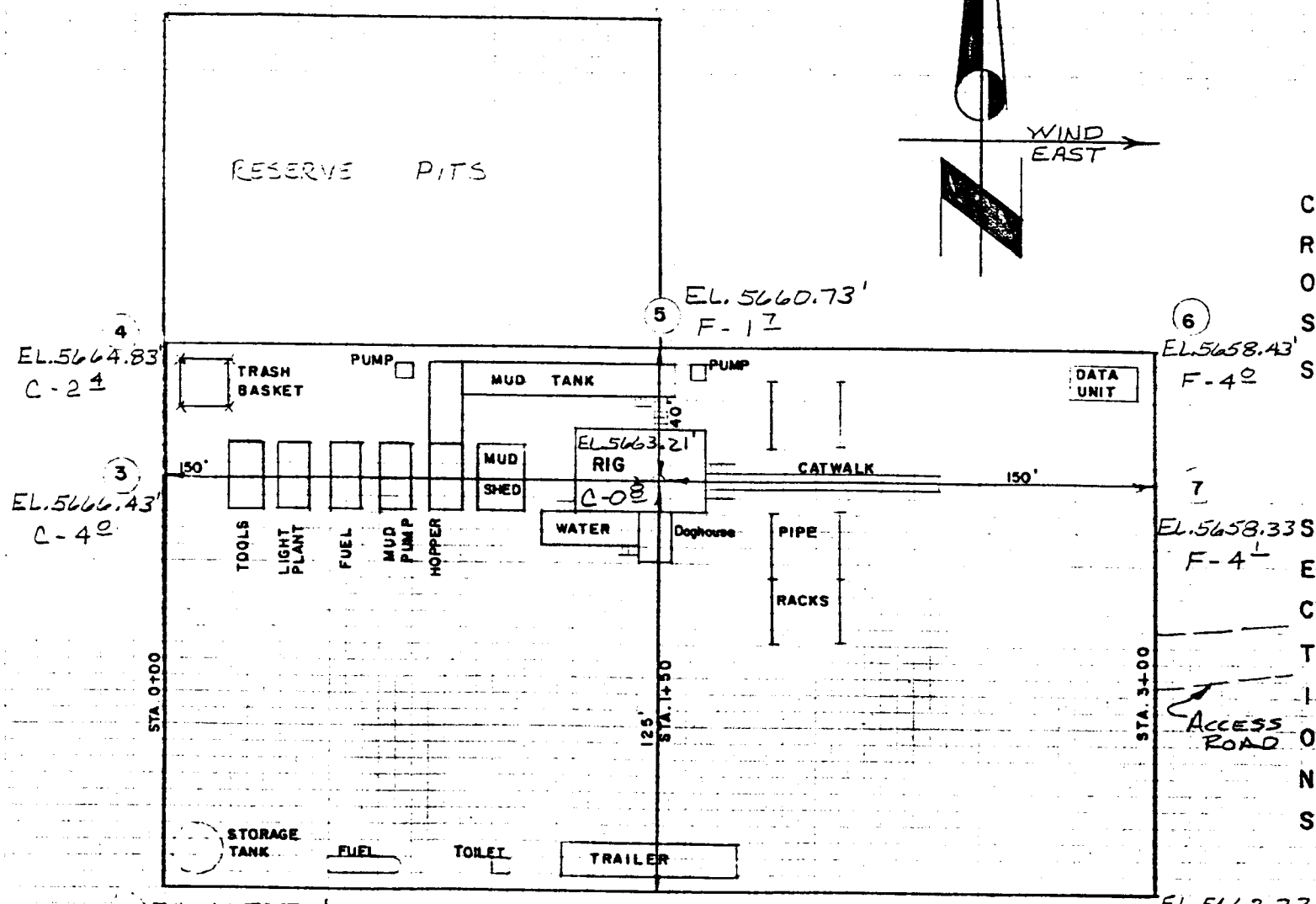
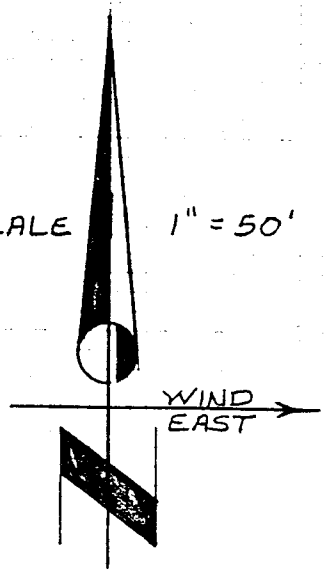


3000 psi  
throughout

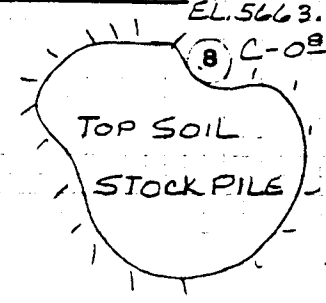
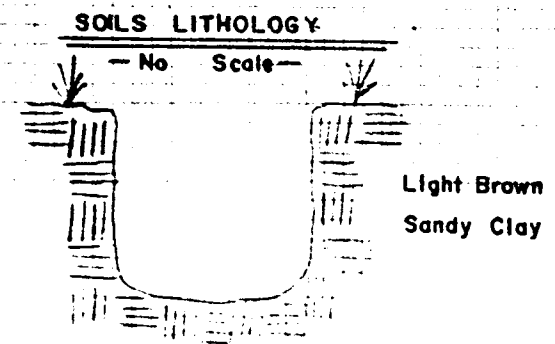
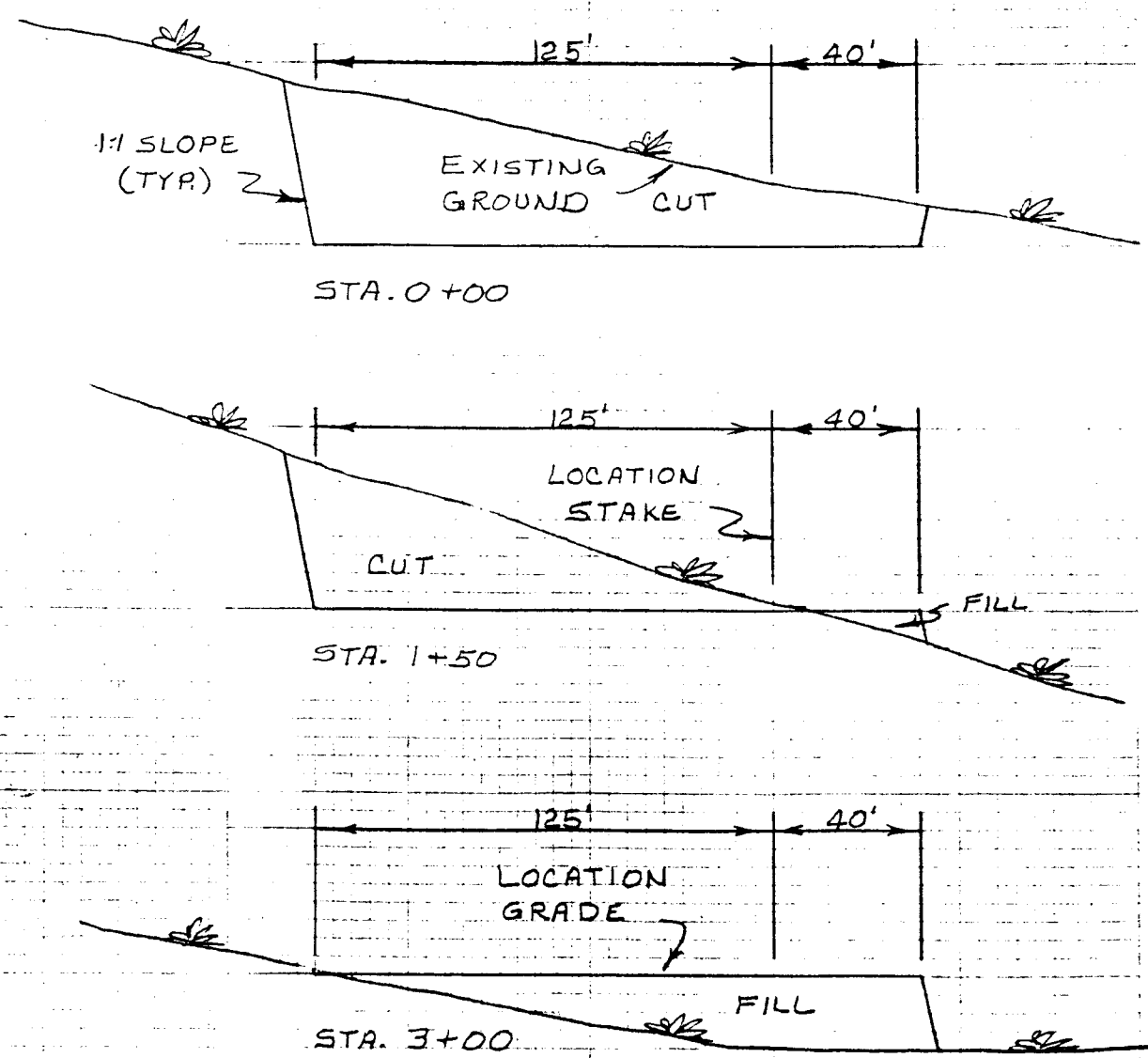
# LOMAX EXPLORATION CO.

FEDERAL # 9-23

SCALE 1" = 50'



C  
R  
O  
S  
S  
  
S  
E  
C  
T  
I  
O  
N  
S



1" = 10'  
1" = 50'  
SCALES

APPROXIMATE YARDAGES  
Cubic Yards of Cut — 4,325  
Cubic Yards of Fill — 1,212

SCALE - 1" = 4 Mi.



**PROPOSED LOCATION**

RIVER

LOMAX EXPLORATION CO.

FEDERAL #9-23

PROPOSED LOCATION

Topo.

MAP "B"

SCALE - 1" = 2000'

ROAD CLASSIFICATION

Heavy-duty

Light-duty

Medium-duty

Unimproved dirt

U. S. Route

State Route

QUADRANGLE LOCATION

UTAH

PROPOSED LOCATION

FEDERAL #9-23

PROPOSED ACCESS ROAD

U.S. 40  
MAYTON

16.5 MILES  
18.2 MILES

R R  
14 17



**PROPOSED LOCATION**  
**FEDERAL #9-23**

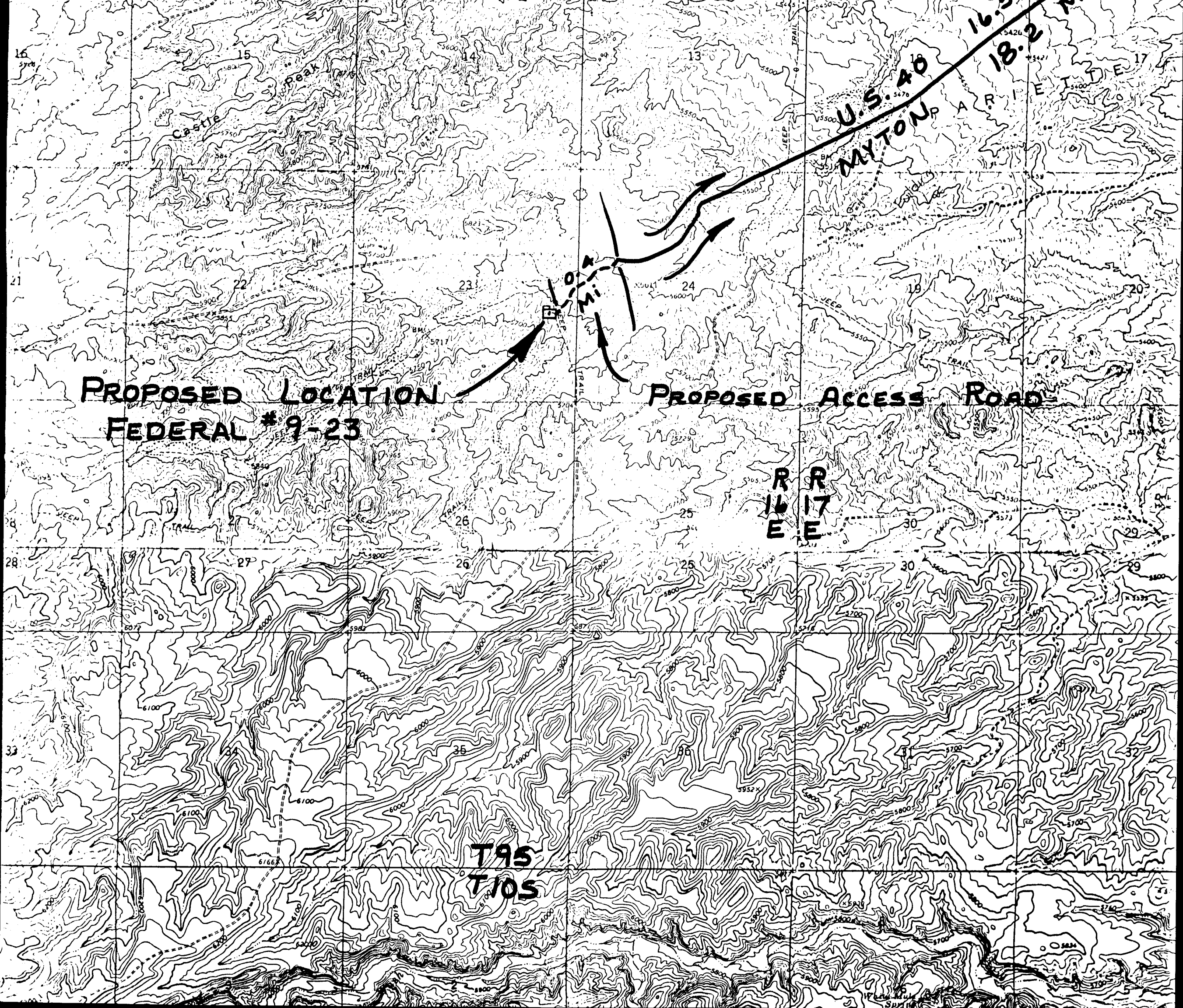
**PROPOSED ACCESS ROAD**

0.4  
Mi

R  
R  
E  
E

T95  
T105

U.S. 40  
MYTON  
16.3  
18.2



\*\* FILE NOTATIONS \*\*

DATE: 4-7-82  
OPERATOR: Lomax Exploration Co.  
WELL NO: Federal 9-23  
Location: Sec. 23 T. 9S R. 16E County: Durham

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-013-30654

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK as per rule C-3

Administrative Aide: OK as per rule C-3

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed.

Plotted on Map ☒

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

April 8, 1982

Lomax Exploration Company  
P. O. Box 4503  
Houston, Texas 77210

RE: Well No. Federal #9-23  
Sec. 23, T. 9 S, R. 16 E  
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30654.

Sincerely,

DIVISION OF OIL, GAS AND MINING



Cleon B. Feight  
Director

CBF/as  
Encl.  
cc: Minerals Management Service

FIELD NOTES SHEET

Date of Field Inspection: May 17, 1982

Well No.: 9-23

Lease No.: U-15855

Approve Location: ✓

Approve Access Road: ✓

Modify Location or Access Road: Good location  
.2 mile of access shared with the 7-23 and  
1-23 wells.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) First location looked at on May 17, 1982

Relatively good location on large dry wash we parked  
and walked across



# CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety							1, 2, 4, 6	May 17 1982	
Unique charac- teristics							1, 2, 4, 6		
Environmentally controversial							1, 2, 4, 6		
Uncertain and unknown risks							1, 2, 4, 6		
Establishes precedents							1, 2, 4, 6		
Cumulatively significant							1, 2, 4, 6		
National Register historic places							1, 6		
Endangered/ threatened species							1, 6		
Violate Federal, State, local, tribal law							1, 2, 4, 6	↓	

# CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

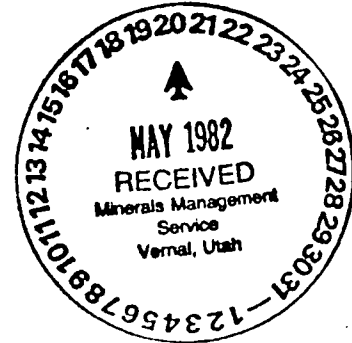
1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. Onsite Requirements other than the Items 1-7.



## United States Department of the Interior

T & R  
U-801BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

May 18, 1982

Ed Guynn, District Engineer  
Mineral Management Services  
SGS, Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104Re: Joint Onsite Inspection  
Lomax Exploration  
T9S, R16E, Sec. 23, Well #9-23  
T9S, R16E, Sec. 24, Well #3-24  
T9S, R16E, Sec. 24, Well #11-24  
T9S, R16E, Sec. 26, Well #3-26

Dear Mr. Guynn:

On May 17, 1982, a joint onsite inspection was made of the above reference well site locations and proposed access roads by people representing Lomax Exploration, Stubbs Construction, Skewes & Hamilton, MMS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with the surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and travelling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 Point Plan. Our office recommends the top 6-10 inches of topsoil material be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.
6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. No trash will be thrown in the reserve pit. All trash must be contained and hauled to the nearest sanitary landfill.
7. All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown

Enduratone or an approved equal. All facilities shall be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with OSHA (Occupational Safety and Health Act) standards are excluded.

8. Reserve pits will be fenced with a wire mesh fence topped with at least one strand of barbed wire.
9. A muffler system will be installed on all pumping units.
10. At location #3-24, the topsoil will be stockpiled at point #1.
11. At location #11-24, the topsoil will be stockpiled between points #1 and 2.
12. At location #3-26, the northeast end of the pit corner will be rounded off so as to stay out of the existing drainage.

An archaeological clearance has been conducted by the Archaeological-Environmental Research Corporation of the proposed drill sites and access roads. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardize listed, threatened or endangered flora/fauna and their habitats.

Sincerely,



Ralph J. Heff  
Area Manager  
Diamond Mountain Resource Area

cc: \MMS, Vernal

MINERALS MANAGEMENT  
SERVICE  
OIL & GAS OPERATIONS  
RECEIVED

Identification No. 253-82

MAY 21 1982

United States Department of the Interior  
Minerals Management Service  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-3884

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Lomax Exploration Company  
Project Type Oil Well  
Project Location 2080' FSL 659' FEL Section 23, T.9 S., R.16 E.  
Well No. 9-23 Lease No. U-15855  
Date Project Submitted April 14, 1982

FIELD INSPECTION

Date May 17, 1982

Field Inspection  
Participants

Greg Darlington - MMS, Vernal  
Gary Slagel - BLM, Vernal  
Don Cardiner - Lomax  
Jim Hacking - Skewes Construction  
Brent Stubbs - Stubbs Construction

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

May 20, 1982

Date Prepared

Gregory Darlington  
Environmental Scientist

I concur

MAY 24 1982

Date

W. W. Mouton  
District Supervisor

FOR E. W. GYNN  
DISTRICT OIL & GAS SUPERVISOR

### Proposed Actions :

Lomax Exploration plans to drill the Castle Peak #9-23 well, a 6200' oil test of various formations. A new access road of 2200' length and a pad 165' by 300' with a reserve pit 100' by 150' are planned for the location.

### Recommended Approval Conditions:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD :

1. BLM stipulations
2. Lease stipulations
3. Provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		
2. NAME OF OPERATOR Lomax Exploration Company		
3. ADDRESS OF OPERATOR P.O. Box 4503, Houston, Texas 77210		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2080 FSL, 659 FEL, Section 23, T9S, R16E At proposed prod. zone		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18.2 miles from Myton Utah		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)	16. NO. OF ACRES IN LEASE 1200	17. NO. OF ACRES ASSIGNED TO THIS WELL 80
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1850	19. PROPOSED DEPTH 6200	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5663		22. APPROX. DATE WORK WILL START* May, 1982

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300	200 SX
7 5/8	5 1/2	15.50#	TD	500 SX

ATTACHMENTS: 1. 10 Point Program  
2. 13 Point Program  
3. Location Plat  
4. Location Layout  
5. Topo Maps "A" & "B"

RECEIVED

AUG 05 1982

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED G. L. Pruitt TITLE Mgr. Drilling & Production DATE 3/30/82  
(This space for Federal or State office use)PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
FOR E. W. GUYNN  
APPROVED BY [Signature] TITLE DISTRICT OIL & GAS SUPERVISOR DATE AUG 3 1982  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

NOTICE OF APPROVAL

State of G

\*See Instructions On Reverse Side  
CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPYFLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 10, 1983

Lomax Exploration Company  
P. O. Box 4503  
Houston, Texas 77210

Re: See attached list of wells

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf



Well No. State # 15-32  
Sec. 32, T. 8S, R. 17E.  
Duchesne County, Utah

Well No. Federal # 3-1  
Sec. 1, T. 9S, R. 16E.  
Duchesne County, Utah

Well No. Federal # 4-1  
Sec. 1, T. 9S, R. 16E.  
Duchesne County, Utah

Well No. Federal # 9-23  
Sec. 23, T. 9S, R. 16E.  
Duchesne County, Utah

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: LOMAX EXPLORATION

WELL NAME: Federal 9-23

SECTION NESE 23 TOWNSHIP 9S RANGE 16E COUNTY Duchesne

DRILLING CONTRACTOR TWT

RIG # 55

SPUDDED: DATE 3-10-83

TIME 11-15 AM

How Rotary

DRILLING WILL COMMENCE

REPORTED BY Michelle

TELEPHONE # 713-932-9276

DATE 3-14-83 SIGNED AS

NOTICE OF SPUD

Company: Lamar

Caller: Michelle

Phone: 713-431-9276

Well Number: 9-23

Location: 23-95-16E

County: Duchene State: Utah

Lease Number: U-15855

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 11:15 AM 3-10-83

Dry Hole Spudder/Rotary: Ram Drilling

Details of Spud (Hole, Casing, Cement, etc.) \_\_\_\_\_

Rotary Rig Name & Number: TWT #55

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: DeLois

Date: 3-14-83

Amended

MAR 10 1983

DIVISION OF  
GAS & MINING

March 16, 1983

Ms. Cari Furse  
State of Utah  
Division of Oil and Gas  
4241 State Office Building  
Salt Lake City, Utah 84114

State #15-32  
Federal #3-1  
Federal #4-1  
Federal #9-23

Dear Ms. Furse:

This letter is in response to your letter dated March 10, 1983 concerning our plans for the subject wells. We plan to drill wells #3-1, #4-1 and #15-32 some time in the future. Federal #9-23 was spud on March 15, 1983 (Sundry Notice enclosed).

Please sign copy of letter enclosed and return in envelope provided to acknowledge receipt of this letter.

If you need additional information, please advise.

Very truly yours,

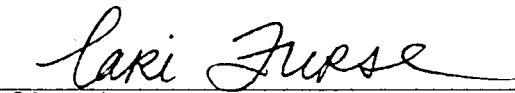


Paul Curry  
Engineering Assistant

PC/mt  
Enclosures

3-22-83

Date

  
Signed

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-15855
2. NAME OF OPERATOR Lomax Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 4503, Houston, TX 77210		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2080- FSL & 659' FEL NE/SE		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-30654		9. WELL NO. 9-23
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5663 GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 23, T9S, R16E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐Spud ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

3/10/83 Drilled 13" hole to 284' with dry hole digger. Set 271' of 8 5/8" 24# casing. Landed @ 270'. Cemented with 210 sx class "G" + 2% CaCl + 1/4#/sx flakes. Cement returns to surface. (Ram Drilling Service)

Spud with TWT Rig #55 @ 5:00 P.M. 3/15/83.

18. I hereby certify that the foregoing is true and correct

SIGNED

G.L. Pruitt

TITLE V.P. Drilling &amp; Production DATE 3/16/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

May 5, 1983

Minerals Management Service  
1745 West 1700 South  
Room 2000  
Salt Lake City, Utah 84104

Federal #9-23  
NE/SE Section 23, T9S, R16E  
Duchesne County, Utah

Gentlemen:

Enclosed are two copies of the well completion report for  
the subject well.

I have also enclosed one copy of the following logs:

Cement Bond Log  
Compensated Neutron-Formation Density  
Dual Laterolog/Micro-SFL

We request that these logs remain confidential for six months.

Very truly yours,



Michele Tisdell  
Sec. Drilling & Production

MT  
Enclosures (5)

cc: State of Utah  
Division of Oil and Gas  
(with enclosures)

RECEIVED  
MAY 09 1983  
DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other  
instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

9-23

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

Section 23, T9S, R16E

12. COUNTY OR  
PARISH

Duchesne

13. STATE

Utah

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 2080' FSL &amp; 659' FEL NE/SE

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-013-30654

DATE ISSUED

4/8/82

15. DATE SPUDDED

3/15/83

16. DATE T.D. REACHED

3/22/83

17. DATE COMPL. (Ready to prod.)

4/16/83

18. ELEVATIONS (DF, R&amp;B, RT, GR, ETC.)\*

5663 GR

19. ELEV. CASINGHEAD

5663

20. TOTAL DEPTH, MD &amp; TVD

5413

21. PLUG, BACK T.D., MD &amp; TVD

5360

22. IF MULTIPLE COMPL.,  
HOW MANY\*

-

23. INTERVALS  
DRILLED BY

ROTARY TOOLS

XX

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4808-21'

25. WAS DIRECTIONAL  
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-FDC, DLL-MSFL, CBL-GR

27. WAS WELL CORED

YES

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	270	12 1/4	210 sx cl "G" + 2% CaCl	
5 1/2	17	5405	7 7/8	200 sx Hifill + 275 sx Thixotropic	

LINER RECORD

SIZE	DEPTH (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	4864						

30. TUBING RECORD

31. PERFORATION RECORD (Size and number)

4808-21 (1 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4808-21	26,500 gal gelled KCL water & 88,000# 20/40 sand

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4/16/83		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/01/83	24	Open	→	198	NM	NM	NM
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	0	→	198	NM	NM	34	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for fuel &amp; vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

G.L. Pruitt TITLE V.P. Drilling &amp; Production

DATE May 5, 1983

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERY				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Garden Gulch	3382'	+2293'
				Douglas Creek	4364'	+1310'
				Black Shale	5024'	+651'
				Castle Peak	5220'	+455'



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expire August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-15855

6. IS INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

N/A

9. WELL NO. Castle Peak Federal

#12-24, #9-23, #7-23

10. FIELD AND POOL, OR WILDCAT

Castle Peak

11. SEC., T., R., M., OR BLK. AND

SURVEY OR AREA

Sec. 23 & 24

T9S-R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☒ OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR  
Lomax Exploration Company

3. ADDRESS OF OPERATOR  
50 W. Broadway, Suite 1000, Salt Lake City, UT 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
See attached sheet.

14. PERMIT NO.  
See attached sheet.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
See attached sheet.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Construct gas gathering system

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANE

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Construct a gas gathering system for the subject wells. The system will consist of an 8" main gas line, and 3" feeder lines from each of the subject wells to the main line. A compressor site will be located in the NW/NE of Section 24, T9S-R16E. Such compressor site will contain a compressor (housed), condensate storage tank or tanks, gas separator, gas processing plant and generator (housed). The compressor site will occupy less than two (2) acres. That part of the gas gathering system behind (South and West) the compressor will be buried; that part of the system from the compressor to the lease boundary will be a surface line. Initial volumes of gas to be transported will be approximately 400 MCFD. Construction will begin as soon as approval is received. A plat showing the location of the system is attached.

RECEIVED

MAY 29 1984

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED David D. Perkins

TITLE District Landman

DATE May 16, 1984

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

Attached to that certain Sundry Notice dated May 16, 1984 for the Castle Peak Federal #12-24, #9-23 & #7-23 wells on Lease U-15855.

Item 4. - Location of well:

#12-24 - 1982' FNL, 794' FWL, Section 24, T9S-R16E  
#9-23 - 2080' FSL, 659' FEL, Section 23, T9S-R16E  
#7-23 - 1967' FNL, 1985' FEL, Section 23, T9S-R16E

Item 14. - Permit No.:

#12-24 - 43013-30588  
#9-23 - 43013-30654  
#7-23 - 43013-30662

Item 15. - Elevations:

#12-24 - 5651 GR  
#9-23 - 5663 CR  
#7-23 - 5706 GR

**Lomax Exploration Company**

A subsidiary of Inland Resources Inc.



July 13, 1995

State of Utah Department of Natural Resources  
Attention: Ms Becky Pritchett  
355 W. North Temple  
3 Triad Center, Suite 400  
Salt Lake City, Utah 84180-1204

**RE: Corporate Name Change**

Dear Sir or Madame:

Effective July 1, 1995, Lomax Exploration Company will have taken the steps necessary to change its name to **Inland Production Company**. A Certificate issued by the Texas Secretary of State evidencing the name change is attached for your files. We have also attached to this letter those Utah State leases (Exhibit "B") and wells (Exhibit "A") affected by this name change. We have attempted to provide a complete list from the records we have. The intent is to include all leases and wells that Lomax Exploration Company operates or has an interest in.

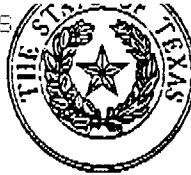
Riders changing the Principal from Lomax Exploration Company to Inland Production Company under Nationwide Oil and Gas Bond # 4488944 for Lomax Exploration Company will be furnished to the State of Utah in the very near future.

Please amend your records by substituting Inland Production Company in place of Lomax Exploration Company on the leases and wells listed on the attached exhibits. In the future we will begin submitting notices and permits for new operations after July 1, 1995 in the name of Inland Production Company.

Should a fee be required or should you need further information or documents relating to our name change please contact the undersigned at your convenience at the following number: (303) 292-0900 or Cheryl Cameron at our Roosevelt, Utah office (801) 722-5103.

Sincerely yours,

Chris A Potter, CPL  
Manager of Land



# The State of Texas

Secretary of State  
JUNE 30, 1995

MIKE PARSONS...GLAST, PHILLIPS & MURRAY  
2200 ONE GALLERIA TWR, 13355 NOEL RD, LB48  
DALLAS ,TX 75240-6657

RE:  
INLAND PRODUCTION COMPANY  
CHARTER NUMBER 00415304-00

IT HAS BEEN OUR PLEASURE TO APPROVE AND PLACE ON RECORD YOUR ARTICLES OF AMENDMENT. A COPY OF THE INSTRUMENT FILED IN THIS OFFICE IS ATTACHED FOR YOUR RECORDS.

THIS LETTER WILL ACKNOWLEDGE PAYMENT OF THE FILING FEE.

IF WE CAN BE OF FURTHER SERVICE AT ANY TIME, PLEASE LET US KNOW.

VERY TRULY YOURS,



  
Antonio O. Garza, Jr., Secretary of State



# The State of Texas

## Secretary of State

### CERTIFICATE OF AMENDMENT

FOR

INLAND PRODUCTION COMPANY

FORMERLY

LOMAX EXPLORATION COMPANY  
CHARTER NUMBER 00415304

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS,  
HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE  
NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO  
CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SECRETARY OF STATE, AND BY VIRTUE  
OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS  
CERTIFICATE OF AMENDMENT.

DATED JUNE 29, 1995

EFFECTIVE JUNE 29, 1995



  
Antonio O. Garza, Jr., Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
LOMAX EXPLORATION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

JUN 29 1995

Corporations Section

Pursuant to the provisions of Part Four of the Texas Business Corporation Act, the undersigned corporation adopts the following articles of amendment to its Articles of Incorporation:

1. Name. The name of the corporation is LOMAX EXPLORATION COMPANY.
2. Statement of Amendment. The amendment alters or changes Article One of the original Articles of Incorporation to read in full as follows:

"Article One. The name of the corporation is INLAND PRODUCTION COMPANY."

3. Shareholders. The number of shares of the corporation outstanding at the time of such adoption was 205,315, there being 107,546 Common Shares and 97,769 Non-voting Preferred Shares; and the number of shares entitled to vote thereon was 107,546.

4. Adoption by Shareholders. Only the holders of Common Shares of the corporation are entitled to vote on the amendment. The shareholders adopted the foregoing amendment by unanimous written consent dated June 23, 1995, pursuant to the provisions of Article 9.10 of the Texas Business Corporation Act and, therefore, no notice was required to be delivered under said Article 9.10.

5. Adoption by Board of Directors. The Board of Directors adopted said amendment by a consent in writing signed by all Directors.

6. Future Effective Date. This amendment will become effective on July 1, 1995, at 12:01 a.m.

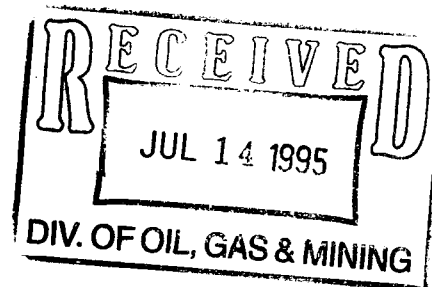
EXECUTED June 26, 1995.

  
\_\_\_\_\_  
Kyle R. Miller, President

5:41JUN-7-1995004110LOMAX.AMD

Lomax Exploration Company

A subsidiary of Inland Resources Inc.



*Announcing*  
*Our Name Change*

*From*

**Lomax Exploration Company**

*To*

**Inland Production  
Company**

*\* N 5160 assigned 7/26/95. Lee*

*Field And Corporate Office Locations Remain The Same:*

**Corporate Office:**

Inland Resources Inc.

475 Seventeenth Street, Suite 1500

Denver, CO 80202

**Field Office:**

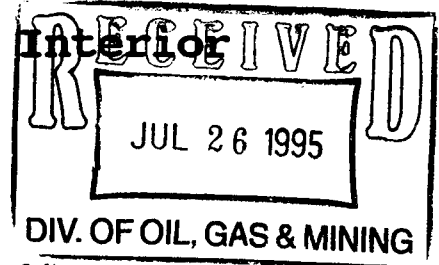
W. Pole Line Road

P.O. Box 1446

Roosevelt, Utah 84066

United States Department of the Interior  
BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155



IN REPLY REFER TO:  
3100  
SL-065914 et al  
(UT-923)

JUL 25 1995

NOTICE

Inland Production Company : Oil and Gas Leases  
475 Seventeenth St., Ste. 1500 : SL-065914 et al  
Denver, Colorado 80202 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Lomax Exploration Company to Inland Production Company on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

For our purposes, the name change is recognized effective June 29, 1995 (Secretary of State's approval date).

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Lomax Exploration Company to Inland Production Company on Bond No. 4488944 (BLM Bond No. UT0056). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office. BLM Bond Nos. MT0771 and WY0821 should also be changed for the bonds held by Montana and Wyoming respectively.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral  
Leasing Adjudication

Enclosure  
1-Exhibit (1 p)

cc: Hartford Accident & Indemnity Co.  
Hartford Plaza  
Hartford, CT 06115

bc: Moab District Office  
Vernal District Office  
Montana State Office  
Wyoming State Office  
Eastern States Office  
MMS--Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217  
State of Utah, Attn: Lisha Cordova, Division of Oil, Gas & Mining,  
355 West North Temple, 3 Triad Center, Suite 350, SLC, UT 84180  
Teresa Thompson (UT-922)  
Dianne Wright (UT-923)



**EXHIBIT**

SL-065914	U-36846	UTU-66185
SL-071572A	U-38428	UTU-67170
U-02458	U-45431	UTU-68548
U-15855	U-47171	UTU-69060
U-16535	U-50376	UTU-69061
U-26026	U-62848	UTU-72103
U-34173	UTU-65965	UTU-72104
U-36442	UTU-66184	UTU-73088

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

KEBBIE JONES  
LOMAX EXPLORATION COMPANY  
PO BOX 1446  
ROOSEVELT UT 84066

UTAH ACCOUNT NUMBER: N0580

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
CASTLE PK FED 12-24								
4301330588	02650	09S 16E 24	GRRV			U15855		
FEDERAL 9-23								
4301330654	02655	09S 16E 23	GRRV			"		
FEDERAL 13-21								
4301330665	02660	08S 17E 21	GRRV			U50376		
FEDERAL #1-1								
4301330571	02685	09S 16E 1	GRRV			<del>U40652</del>	U72104	Lease Segregated
BOUNDARY FEDERAL 7-20								
4301330750	08407	08S 17E 20	GRRV			U50376		
BOUNDARY FEDERAL 9-20								
4301330690	08408	08S 17E 20	GRRV			"		
UNDARY FEDERAL 15-20								
4301330667	08409	08S 17E 20	GRRV			"		
CASTLE PEAK FED 6-23								
4301330873	09700	09S 16E 23	GRRV			U15855		
WELLS DRAW STATE 7-36								
4301330934	09730	08S 15E 36	GRRV			ML 21835		
PLEASANT VALLEY #1								
4301330394	10520	08S 16E 21	GRRV			U071572A	SL-071572A	
JENSEN #1								
4301316208	10521	08S 16E 21	GRRV			SL071572A		
LAMBERT FEDERAL #1								
4301316207	10522	08S 16E 22	GRRV			U065914	SL-065914	
FEDERAL 6-33								
4301330747	10628	08S 16E 33	GRRV			U34173		
TOTALS								

OMMENTS:

hereby certify that this report is true and complete to the best of my knowledge. Date:

Name and Signature: Telephone Number:

## FAX COVER SHEET



RESOURCES INC.  
475 17th Street, Suite 1500  
Denver, CO 80202  
303-292-0900, Fax #303-296-4070

DATE: August 8, 1995

TO: Lisha Cordova

COMPANY: State of Utah - Division of Oil, Gas and Mining

FAX NUMBER: 801 359 3940

FROM: Chris A Potter

NUMBER OF PAGES: 1 (INCLUDING COVER SHEET):

---

RE: Transfer of Authority to Inject  
Lomax Exploration Company to Inland Production Company

I hope the info I sent to you August 1st was acceptable regarding our name change and your phone call to me last week.....

If there is anything missing or you need additional info, please let me know. I am located in our Denver office.....

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing: (GIL)	
1-LEC	7-PL
2-LWP	8-SJ
3-DTS	9-FILE
4-VLC	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

(MERGER)

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-29-95)

TO (new operator) INLAND PRODUCTION COMPANY  
 (address) PO BOX 1446  
ROOSEVELT UT 84066  
KEBBIE JONES  
 phone ( 801 ) 722-5103  
 account no. N 5160

FROM (former operator) LOMAX EXPLORATION COMPANY  
 (address) PO BOX 1446  
ROOSEVELT UT 84066  
KEBBIE JONES  
 phone ( 801 ) 722-5103  
 account no. N 0580

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-30654</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 7/14/95)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) no If yes, show company file number: \_\_\_\_\_ (7-28-95)
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-31-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-16-95
- See 7. Well file labels have been updated for each well listed above. 8-23-95
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-31-95)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (~~Fee wells only~~) *Trust Lands Admin. / Rider or Repl. in Progress.*

- N/A Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- \_\_\_ 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

- OTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*8/23/95 sent to Ed Bunker*

### FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: August 30 19 95.

### FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

950726 BLM/SL Appr. eff. 6-29-95.



RECEIVED

SEP 10 1985

DIVISION OF OIL  
GAS & MINING

September 9, 1985

State of Utah  
Division of Oil, Gas & Mining  
355 N.W. Temple  
Three Triad Center - Suite 350  
Salt Lake City, Utah 84180-1203  
Attn: Ron Firth

Gas Tests - August 1985

Dear Mr. Firth:

Please find enclosed our gas tests for the month of August 1985 and the appropriate curtailment schedules.

Please advise if further information is required.

Very truly yours,

LOMAX EXPLORATION COMPANY

Jodie S. Faulkner  
Production Technician

cc: W. Carothers  
Bill K. Myers  
Cheryl Cameron

JSF/jc

## LOMAX TEST REPORT

Month of August 1985

14

SEP 10 1985

Well Name	TEST				CURRENT MONTH (bbls oil)			Next Month <sup>2</sup> Ceiling
	Date	BOPD	<sup>1</sup> MCPD	GOR	Production Ceiling	Actual Production	Over (Under)	
Duchesne Ute Tribal #11-19	8/02/85	5	14	2745	NA	NA	NA	NA
7-24	8/07/85	38	141	3730	429	368	(61)	870
11-25	SHUT IN				NA	NA	NA	NA
Monument Butte Fed. # 2-1	SHUT IN				NA	NA	NA	NA
1-35	SHUT IN				NA	NA	NA	NA
Monument Butte State # 1-2	SHUT IN				NA	NA	NA	NA
W. Monument Butte # 2-33	8/01/85	10	4	366	NA	NA	NA	NA
95. 1LE.23 POW Pariette Draw # 9-23	8/02/85	60	53	882	NA	NA	NA	NA
W. Pariette Federal # 6-29	8/02/85	23	29	1278	NA	NA	NA	NA
River Junction # 16-7	8/30/85	16	16	969	NA	NA	NA	NA
11-18	SHUT IN				NA	NA	NA	NA
Sowers Canyon # 13-3	8/29/85	6	13	2183	NA	NA	NA	NA
Tabby Canyon #9-23X	8/04/85	51	15	302	NA	NA	NA	NA
1-25	8/06/85	86	47	550	NA	NA	NA	NA

1. Flared or Vented
2. Incorporates GOR formula & over/under amount

Signature: J. J. J. J. J.Title: PROD TECHDate: 9-9-85

# PIPELINE BREAKDOWN

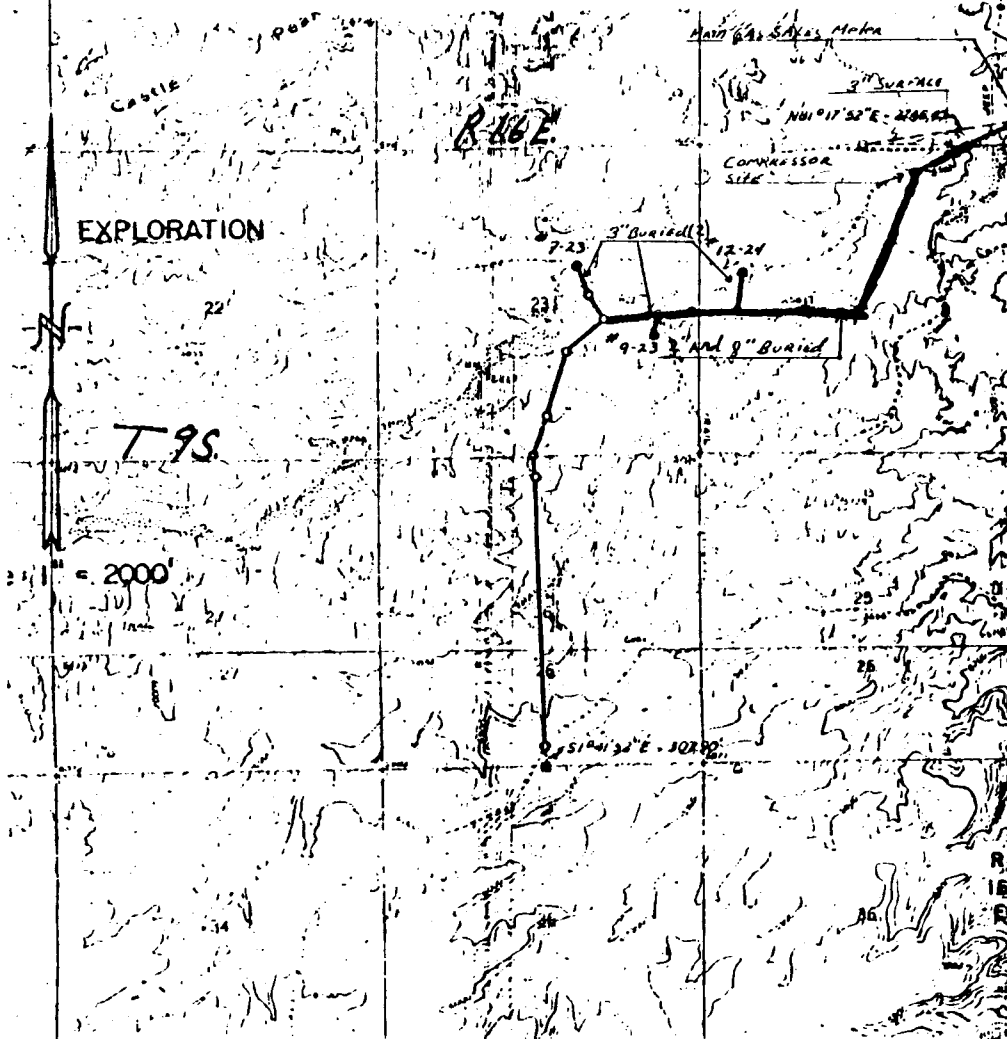
TOTAL PIPELINE IN SECTION 18, T9S, R17E, S.L.B. & M. = 79.84'  
 TOTAL PIPELINE IN SECTION 13, T9S, R16E, S.L.B. & M. = 936.47'  
 TOTAL PIPELINE IN SECTION 24, T9S, R16E, S.L.B. & M. = 6,732.17' INCLUDING  
 THE LATERAL TO FED. #12-24, WHICH IS (664.29').  
 TOTAL PIPELINE IN SECTION 23, T9S, R16E, S.L.B. & M. = 5,832.26' INCLUDING  
 THE LATERAL TO FED. #7-23, WHICH IS (989.60'), & THE LATERAL TO FED. #8-23,  
 WHICH IS (379.32').  
 TOTAL PIPELINE IN SECTION 26, T9S, R16E, S.L.B. & M. = 4,673.54'

TOTAL LENGTH OF PIPELINE RIGHTS - OF - WAY INCLUDING THE THREE LATERALS IS:  
 18,254.38' OR 3.457 MILES.

## SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THIS DRAWING WAS MADE FROM FIELD NOTES OF ACTUAL  
 SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND  
 CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*[Signature]*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 2484  
 STATE OF UTAH





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-15855**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**FEDERAL 9-23**

9. API Well No.

**43-013-30654**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒

Oil  
Well

☐

Gas  
Well

☐

Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2080 FSL 0659 FEL**

**NE/SE Section 23, T09S R16E**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

**TYPE OF ACTION**

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other **Site Security**

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

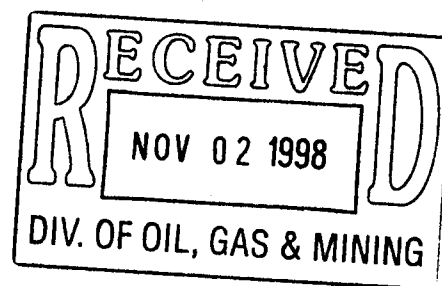
☐

Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-  
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

*Debbie E. Knight*

Title

**Manager, Regulatory Compliance**

Date

**10/28/98**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious  
or fraudulent statements or representations as to any matter within its jurisdiction.

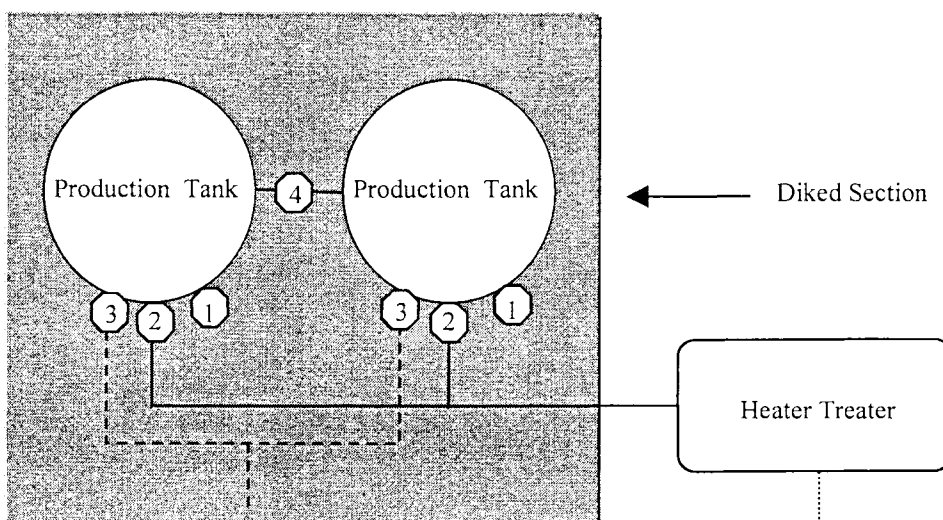
# Inland Production Company Site Facility Diagram

Castle Peak 9-23

NE/SE Sec. 23, T9S, 16E

Duchesne County

Sept. 17, 1998



Site Security Plan is held at the  
Roosevelt Office, Roosevelt Utah

## Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

## Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

## Draining Phase:

- 1) Valve 3 open

## Legend

Emulsion Line	.....
Load Line	-----
Water Line	- . - . - .
Oil Line	—————
Gas Sales	- - - - -

Well Head



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
ALLEN TRUST 7-24	24	040S	020W	4301330888	4970	Fee	OW	P
WELLS DRAW ST 7-36	36	080S	150E	4301330934	9730	State	GW	P
JENSEN 1	21	080S	160E	4301316208	10521	Federal	NA	PA
PLEASANT VALLEY 1	21	080S	160E	4301330394	10520	Federal	OW	P
LAMBERT FED 1	22	080S	160E	4301316207	10522	Federal	OW	P
MONUMENT BUTTE ST 16-36R	36	080S	160E	4301310159	11804	State	OW	P
ASHLEY FED 10-24R	24	090S	150E	4301315781	11992	Federal	OW	P
ASHLEY FED 12-24R	24	090S	150E	4301315782	11993	Federal	OW	P
CASTLE PK ST 43-16	16	090S	160E	4301330594	1181	State	OW	P
FEDERAL 9-23	23	090S	160E	4301330654	2655	Federal	OW	P
FEDERAL 7-23	23	090S	160E	4301330662	10629	Federal	OW	S
CASTLE PEAK FED 6-23	23	090S	160E	4301330873	9700	Federal	OW	P
CASTLE PK FED 12-24	24	090S	160E	4301330588	2650	Federal	OW	S
MONUMENT BUTTE 1-3	03	090S	170E	4301330642	12391	Federal	OW	P
MONUMENT BUTTE 2-3	03	090S	170E	4301330810	12391	Federal	OW	P
CASTLE DRAW 16-10-9-17	10	090S	170E	4301316218	8120	Federal	OW	S
FEDERAL 15-1-B	15	090S	170E	4301331023	10201	Federal	OW	S
FRED MORRIS FED 19-1	19	090S	170E	4301330587	451	Federal	OW	S
GOVERNMENT FOWLER 20-1	20	090S	170E	4301330563	9555	Federal	OW	P
FED 41-30	30	090S	170E	4301330601	6095	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a


**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-15855			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 9-23			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2080 FSL 0659 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 23 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013306540000			
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE			
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/8/2013  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input type="text" value="Recompletion"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Recompletion"/>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Subject well was POP in April 1983, but only one zone was opened – the A-1 from 4808-4821. This production OAP will add 5 zones: GB-4 3878-3880, GB 6 3951-3958, D-3 4486-4490, B-Half 4614-4618, and CP1 & CP2 5278-5280 & 5322-5324 respectively. Standard completion practices for the field will be followed with a total of 98,500 lbs of sand to be pumped.					
<b>NAME (PLEASE PRINT)</b> Mandie Crozier		<b>PHONE NUMBER</b> 435 646-4825			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Tech			
<b>DATE</b> 7/9/2013		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> July 19, 2013 <b>By:</b> 			

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 9-23
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013306540000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2080 FSL 0659 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 23 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/26/2014				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 08/25/2014. On 08/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/26/2014 the casing was pressured up to 1750 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

September 04, 2014

Date: \_\_\_\_\_

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 8/27/2014

## Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date: 8/26/2014 Time: 9:15 A.M.

Test Conducted by: Everett Unruh

Others Present: \_\_\_\_\_

Well: Federal 9-23-9-16	Field: Monument Butte
Well Location: NESE Sec 23 T9S R16E Duchesne County, UT	API No: 43-013-30654

Time	Casing Pressure
0 min	<u>1748</u> psig
5	<u>1749</u> psig
10	<u>1749</u> psig
15	<u>1749</u> psig
20	<u>1749</u> psig
25	<u>1750</u> psig
30 min	<u>1750</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing Pressure: 0 psig

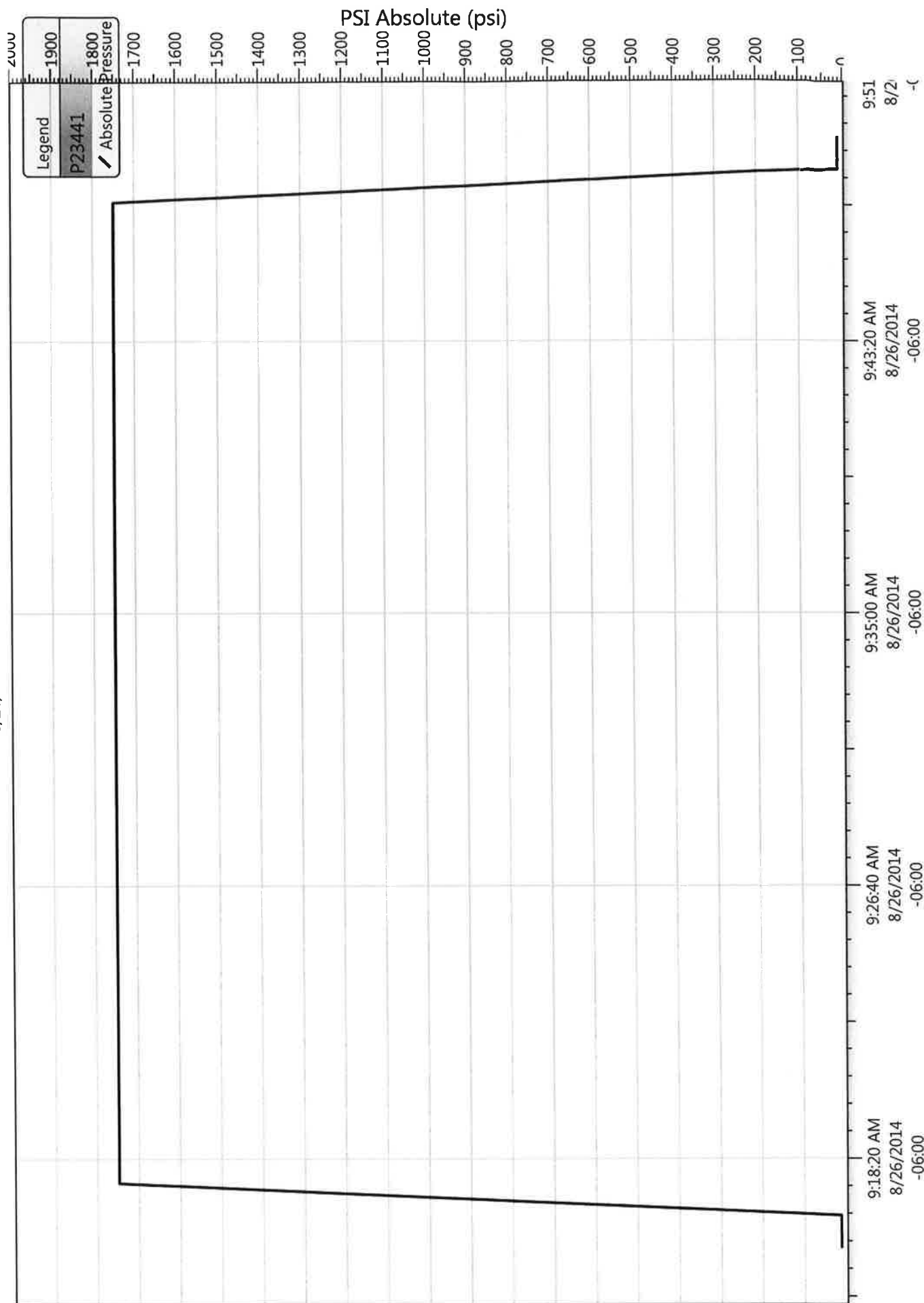
Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh

Federal 9-23-9-16 (8/26/2014, conversion MIT)

8/26/2014 9:14:40 AM





# Job Detail Summary Report

Well Name: Federal 9-23-9-16

Jobs				Job Start Date	Job End Date
Primary Job Type Conversion				8/22/2014	8/26/2014
<b>Daily Operations</b>					
Report Start Date 8/21/2014	Report End Date 8/21/2014	24hr Activity Summary Road Rig to location			
Start Time	End Time	Comment			
	09:30	10:30			
Start Time	End Time	Comment			
	10:30	18:30			
Start Time	End Time	Comment			
	18:30	19:00			
Report Start Date 8/22/2014	Report End Date 8/22/2014	24hr Activity Summary ND WH NU BOP RU RIG FLOOR			
Start Time	End Time	Comment			
	05:30	06:00			
Start Time	End Time	Comment			
	06:00	07:00			
Start Time	End Time	Comment			
	07:00	17:30			
Start Time	End Time	Comment			
	17:30	18:00			
Report Start Date 8/25/2014	Report End Date 8/25/2014	24hr Activity Summary MIT			
Start Time	End Time	Comment			
	05:30	06:00			
Start Time	End Time	Comment			
	06:00	07:00			
Start Time	End Time	Comment			
	07:00	18:00			
Start Time	End Time	Comment			
	18:00	18:30			
Report Start Date 8/26/2014	Report End Date 8/26/2014	24hr Activity Summary Conduct MIT			
Start Time	End Time	Comment			
	09:15	09:45			

On 08/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/26/2014 the casing was pressured up to 1750 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

## NEWFIELD

## Schematic



Well Name: Federal 9-23-9-16

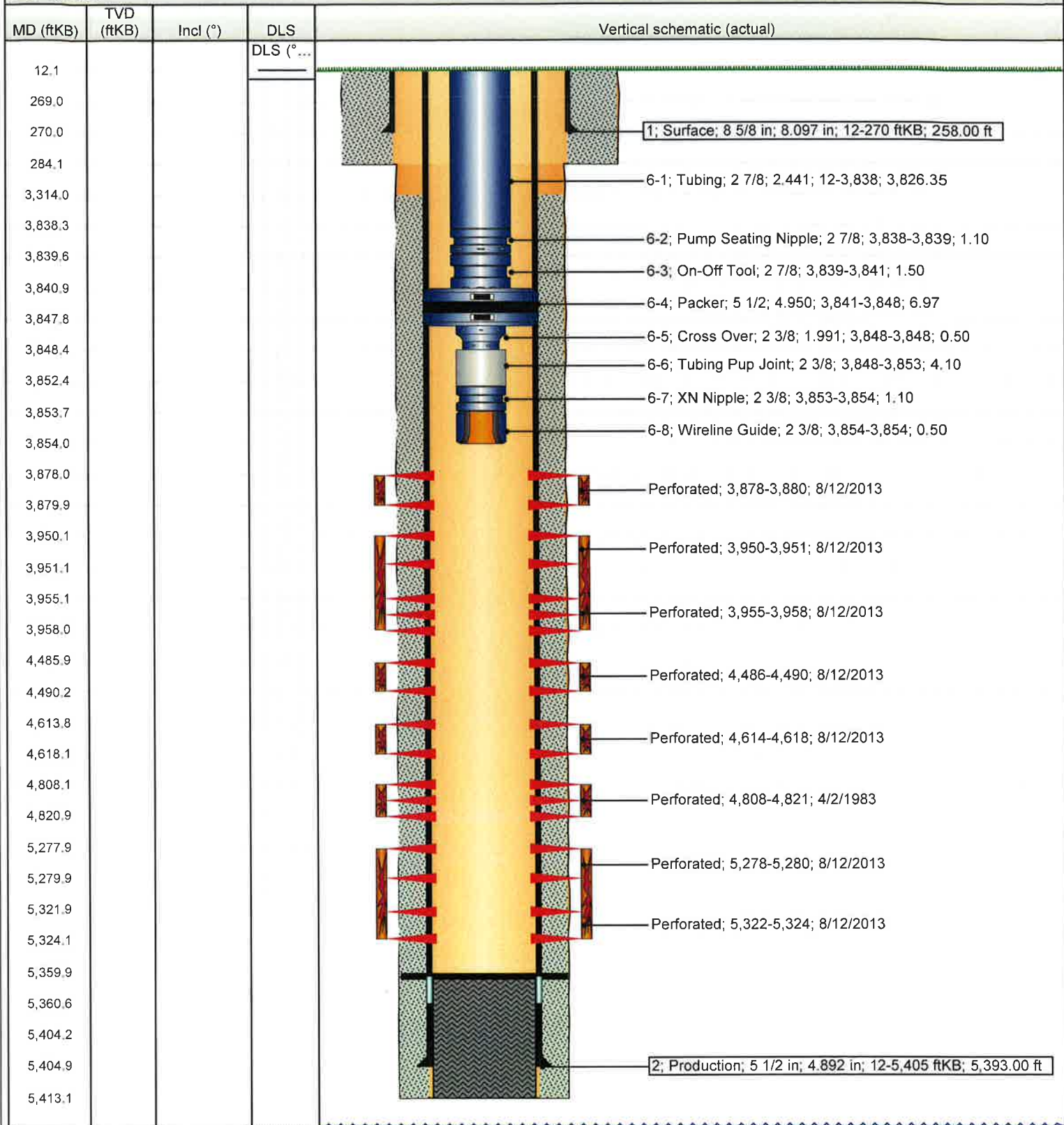
Surface Legal Location 23-9S-16E			API/UWI 43013306540000	Well RC 500151687	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 3/10/1983	Rig Release Date 3/23/1983	On Production Date 4/16/1983	Original KB Elevation (ft) 5,675	Ground Elevation (ft) 5,663	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,360.0	

## Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 8/22/2014	Job End Date 8/26/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

TD: 5,413.0

Vertical - Original Hole, 8/27/2014 9:10:45 AM





**NEWFIELD****Newfield Wellbore Diagram Data  
Federal 9-23-9-16**

Surface Legal Location 23-9S-16E		API/UWI 43013306540000		Lease	
County DUCHESENE	State/Province Utah	Basin Uintah Basin		Field Name GMBU CTB6	
Well Start Date 3/10/1983		Spud Date 3/10/1983		Final Rig Release Date 3/23/1983	
Original KB Elevation (ft) 5,675		Ground Elevation (ft) 5,663		On Production Date 4/16/1983	
Total Depth (ftKB) 5,413.0		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,360.0	

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	3/10/1983	8 5/8	8.097	24.00	J-55	270
Production	3/23/1983	5 1/2	4.892	17.00	J-55	5,405

**Cement****String: Surface, 270ftKB 3/12/1983**

Cementing Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 284.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description +2%CaCl+1/4#/sk flakes	Fluid Type Lead	Amount (sacks) 210	Class G	Estimated Top (ftKB) 12.0

**String: Production, 5,405ftKB 3/23/1983**

Cementing Company Halliburton Energy Services	Top Depth (ftKB) 3,314.0	Bottom Depth (ftKB) 5,413.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 200	Class HiFill	Estimated Top (ftKB) 3,314.0
Fluid Description	Fluid Type Tail	Amount (sacks) 275	Class Thixotropic	Estimated Top (ftKB) 4,500.0

**Tubing Strings**

Tubing Description					Run Date	Set Depth (ftKB)		
Tubing					8/22/2014	3,854.1		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	121	2 7/8	2.441	6.50	J-55	3,826.35	12.0	3,838.4
Pump Seating Nipple	1	2 7/8				1.10	3,838.4	3,839.5
On-Off Tool	1	2 7/8				1.50	3,839.5	3,841.0
Packer	1	5 1/2	4.950			6.97	3,841.0	3,847.9
Cross Over	1	2 3/8	1.991			0.50	3,847.9	3,848.4
Tubing Pup Joint	1	2 3/8				4.10	3,848.4	3,852.5
XN Nipple	1	2 3/8				1.10	3,852.5	3,853.6
Wireline Guide	1	2 3/8				0.50	3,853.6	3,854.1

**Rod Strings**

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
6	GB4, Original Hole	3,878	3,880	3	120	0.340	8/12/2013
5	GB6, Original Hole	3,950	3,951	3	120	0.340	8/12/2013
5	GB6, Original Hole	3,955	3,958	3	120	0.340	8/12/2013
4	D3, Original Hole	4,486	4,490	3	120	0.340	8/12/2013
3	B.5, Original Hole	4,614	4,618	3	120	0.340	8/12/2013
1	A1, Original Hole	4,808	4,821	1			4/2/1983
2	CP1, Original Hole	5,278	5,280	3	120	0.340	8/12/2013
2	CP2, Original Hole	5,322	5,324	3	120	0.340	8/12/2013

**Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,080		30.0	2,830			
2	1,941	0.82	21.0	3,929			
3	2,003	0.89	23.0	4,729			
4	1,772	0.85	23.0	3,162			
5	1,681	0.88	24.0	4,559			
6	1,851	0.93	21.0	4,143			

**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 88000 lb
2		Proppant White Sand 15120 lb
3		Proppant White Sand 14990 lb

**NEWFIELD****Newfield Wellbore Diagram Data  
Federal 9-23-9-16****Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
4		Proppant White Sand 15150 lb
5		Proppant White Sand 38450 lb
6		Proppant White Sand 15050 lb



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 9-23
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2080 FSL 0659 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 23 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013306540000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/18/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">           The above reference well was put on injection at 2:40 PM on            09/18/2014.         </div> <div style="width: 35%; text-align: right;"> <b>Accepted by the Utah Division of Oil, Gas and Mining</b>   <b>Date:</b> <u>October 02, 2014</u>  <b>By:</b> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/25/2014	

Sundry Number: 55986 API Well Number: 43013306540000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-15855			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FEDERAL 9-23			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013306540000			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2080 FSL 0659 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 23 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/18/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> <p style="text-align: center;">The above reference well was put on injection at 2:40 PM on 09/18/2014.</p>					
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician			
<b>SIGNATURE</b> N/A		<b>DATE</b> 9/25/2014			

RECEIVED: Sep. 25, 2014



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER

Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

## UNDERGROUND INJECTION CONTROL PERMIT


Cause No. UIC-395

**Operator:** Newfield Production Company  
**Well:** Federal 9-23-9-16  
**Location:** Section 23, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-30654  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 7, 2012.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,776' – 5,362'). The injection top is limited by the cement top in the Federal 9-23 well itself.
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

Date

9/15/2014

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Verna  
Jill Loyle, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 7, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 9-23-9-16, Section 23, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-30654

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,776 feet in the Federal 9-23-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Federal 9-23-9-16

**Location:** 23/9S/16E      **API:** 43-013-30654

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 270 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,405 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,676 feet. A 2 7/8 inch tubing with a packer will be set at 4,758 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (9/5/2014), based on surface locations, there are 4 producing wells, 5 injection wells, and 1 P/A well in the AOR. In addition, there are 5 approved surface locations outside the AOR for directional wells to be drilled to bottom hole locations inside the AOR. Most of the wells have evidence of adequate casing and cement for the proposed injection interval. However, the proposed injection well itself, the Federal 9-23-9-16 well (API# 43-013-30654), appears to have inadequate cement for the proposed injection interval. Its CBL (4/1/1983) indicates a suitable cement bond top at about 3,676 feet. To protect this wellbore Newfield will not perforate the Federal 9-23-9-16 well above 3,776 feet (see next paragraph).

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2100 feet. The requested injection interval is between 3,700 feet and 5,362 feet in the Green River Formation. However, as described in the previous paragraph, the top of good cement bond is at about 3,676 feet in the Federal 9-23-9-16 well, which is the proposed injection well itself. For this reason, it is recommended that the top of the injection interval be permitted no higher than a depth of 3,776 feet in the Federal 9-23-9-16 well. Information submitted by Newfield indicates that the fracture gradient for the 9-23-9-16 well is 0.87 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,049 psig. The requested maximum pressure is 2,049 psig. We intend to permit this well at a

maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

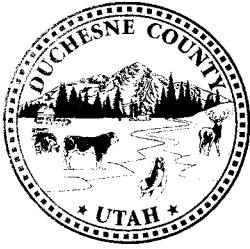
**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 8/2/2012 (revised 9/5/2014)



*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

June 26, 2012

Mr. Brad Hill, Permitting Manager  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RECEIVED

JUN 27 2012

DIV. OF OIL, GAS & MINING

RE: Newfield Production Company Injection Wells (Causes No UIC-395 & 396)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert 30 wells, located in Sections 5, 8, 9, 11, 12, 13, 16, 17, 18, 19, 21, 22, 23, 24, 27, 29 and 30, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

pc: Newfield Production Company, Rt. 3, Box 3630, Myton, UT 84052



Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number	Invoice Date
32047	6/26/2012
Invoice Amount	Due Date
\$176.25	7/26/2012

Advertiser No.  
2080

DIVISION OF OIL GAS & MINING  
 Rose Nolton  
 1594 W. N.TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all  
 past due balances.

Amount Enclosed

Please detach top portion and return with your payment

# INVOICE

Uintah Basin Standard		DIVISION OF OIL GAS & MINING				Invoice No. 32047		6/26/2012
Date	Order	Description			Ad Size	SubTotal	Sales Tax	Amount
6/26/2012	16065	UBS	UBS Legal Notice: Not of Agcy Actn: Cause No. UIC-395 Pub. June 26, 2012					\$176.25
							Sub Total:	\$176.25
							Total Transactions: 1	Total: \$176.25

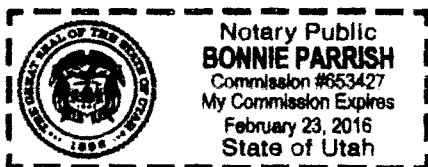
**SUMMARY**      Advertiser No.      2080      Invoice No.      32047

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

UTC 395

[illegible]

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

West Point U 12-5-9-16 well located in NW/4 SW/4, Section 5, Township 9 South, Range 16 East  
API 43-013-31933

Federal 7-8-9-16 well located in SW/4 NE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33056

Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33058

West Point 12-8-9-16 well located in NW/4 SW/4, Section 8, Township 9 South, Range 16 East  
API 43-013-32286

Federal 15-8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33060

Federal 5-9-9-16 well located in SW/4 NW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32916

Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33050

Goates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15789

Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32650

Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33028

Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33037

Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33064

Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33025

Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33394

Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-32960

Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30654

Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33452

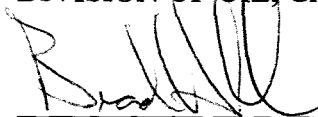
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 20<sup>th</sup> day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read "Brad Hill", is written over a horizontal line.

Brad Hill  
Permitting Manager

**Newfield Production Company**

**WEST POINT U 12-5-9-16, FEDERAL 7-8-9-16, FEDERAL 9-8-9-16, WEST POINT 12-8-9-16,  
FEDERAL 15-8-9-16, FEDERAL 5-9-9-16, FEDERAL 11A-9-9-16, GOATES FED 1,  
FEDERAL 13-13-9-16, FEDERAL 1-17-9-16, FEDERAL 15-17-9-16, FEDERAL 3-19-9-16,  
FEDERAL 5-22-9-16, FEDERAL 16-22-9-16, FEDERAL 5-23-9-16,  
FEDERAL 9-23, FEDERAL 1-30-9-16**

**Cause No. UIC-395**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

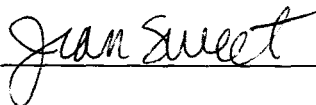
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

June 21, 2012

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-395**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 6/22/2012 8:05 AM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

---

On 6/21/2012 5:07 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

Received. Thank you. It will run June 26.  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 21, 2012

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 6/22/2012 9:13 AM  
**Subject:** Legal Notice - UIC 395  
**Attachments:** OrderConf.pdf

AD# 802910  
Run Trib/DNews - 6/26  
Cost \$448.52  
Thank you  
Mark

## Order Confirmation for Ad #0000802910-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EMail</b>	earlenerussell@utah.gov	Jean	mfultz

<b>Total Amount</b>	<b>\$448.52</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$448.52</b>	<u>Tear Sheets</u>	<u>Proofs</u>	<u>Affidavits</u>
		0	0	1
<b>Payment Method</b>		<u>PO Number</u>	UIC 395	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 88 Li	<NONE>

<b><u>Product</u></b>	<b><u>Placement</u></b>	<b><u>Position</u></b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b><u>Product</u></b>	<b><u>Placement</u></b>	<b><u>Position</u></b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b><u>Product</u></b>	<b><u>Placement</u></b>	<b><u>Position</u></b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b><u>Product</u></b>	<b><u>Placement</u></b>	<b><u>Position</u></b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	06/26/2012	

## Order Confirmation for Ad #0000802910-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000802910-01

Ad Content Proof 135%

**BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-395**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Units:

West Point U 12-5-9-16 well located in NW/4 SW/4, Section 5, Township 9 South, Range 16 East

API 43-013-31933

Federal 7-8-9-16 well located in SW/4 NE/4, Section 8, Township 9 South, Range 16 East

API 43-013-33056

Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East

API 43-013-33058

West Point 12-8-9-16 well located in NW/4 SW/4, Section 8, Township 9 South, Range 16 East

API 43-013-32286

Federal 15-8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East

API 43-013-33060

Federal 5-9-9-16 well located in SW/4 NW/4, Section 9, Township 9 South, Range 16 East

API 43-013-32916

Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East

API 43-013-33050

Coates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East

API 43-013-15789

Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East

API 43-013-32650

Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33028

Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33037

Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33064

Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 East

API 43-013-33025

Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East

API 43-013-33394

Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-32960

Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East

API 43-013-30654

Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East

API 43-013-33452

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Greer River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 20th day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

Brad Hill  
Permitting Manager  
802910

UPAXLP

06/22/2012 9:06:58AM



June 7, 2012

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Castle Peak Federal #9-23-9-16  
Monument Butte Field, Lease #UTU-15855  
Section 23-Township 9S-Range 16E  
Duchesne County, Utah

RECEIVED

JUN 12 2012

DIV. OF OIL, GAS & MINING

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Castle Peak Federal #9-23-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Eric Sundberg  
Regulatory Lead

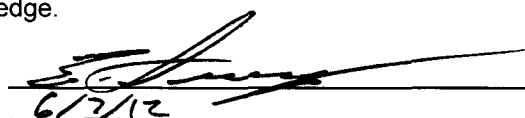
**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**CASTLE PEAK FEDERAL #9-23-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-15855**  
**JUNE 7, 2012**

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ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
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ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

## APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR	Newfield Production Company
ADDRESS	1001 17th Street, Suite 2000
	Denver, Colorado 80202

Well Name and number:		Federal #9-23-9-16	
Field or Unit name:		Monument Butte (Green River)	Lease No. UTU-15855
Well Location: QQ		NESE	section 23 township 9S range 16E county Duchesne
Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]			
Will the proposed well be used for:		Enhanced Recovery? . . . . . Yes [ X ] No [ ]	
		Disposal? . . . . . Yes [ ] No [ X ]	
		Storage? . . . . . Yes [ ] No [ X ]	
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]			
If this application is for an existing well, has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]			
Date of test: _____			
API number: 43-013-30654			
Proposed injection interval: from 3700 to 5362			
Proposed maximum injection: rate 500 bpd pressure 2049 psig			
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.			
IMPORTANT: Additional information as required by R615-5-2 should accompany this form.			
List of Attachments: Attachments "A" through "H-1"			
I certify that this report is true and complete to the best of my knowledge.			
Name: Eric Sundberg		Signature 	
Title: Regulatory Lead		Date: 6/7/12	
Phone No. (303) 893-0102			
(State use only)			
Application approved by		Title	
Approval Date			
Comments:			

# Castle Peak Federal #9-23

## Proposed Injection Wellbore Diagram

### Well History:

3-15-83 Spud Well  
4-2-83 Perf: 4,808'-4,821'  
4-5-83 Frac A-1 zone as follows:  
Totals 26,500 gal, 88,000# 20/40 sd  
Max TP 2,830 @ 30 BPM  
Avg TP 2,500 @ 30 BPM  
ISIP 2,080, after 5 min 1,990  
GL: 5,663'

### SURFACE CASING

CSG SIZE: 8-5/8"  
WEIGHT: 24#  
LENGTH: (271.06')  
DEPTH LANDED: 270' GL  
HOLE SIZE: 13"  
CEMENT DATA: 210 sxs Class "G" with 2% CaCl and ¼# per sc  
celloflake.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 17#  
LENGTH: 133 jts.  
DEPTH LANDED: 5405'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 200 sxs Hifill 275 sxs Thixotropic  
CEMENT TOP AT: 3314'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55  
NO. OF JOINTS: 151 jts. (4778.19')  
TUBING ANCHOR: 4802.19'  
NO. OF JOINTS: 1 jts. (31.63')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4836.62'  
NO. OF JOINTS: 1 jts. (31.62')  
TOTAL STRING LENGTH: EOT @ 4869.59'

Cement Top @ 3314'

Casing Shoe @ 270'

Packer @ 4758'  
Perfs: 4,808'-21'(A-1)

PBTD @ 5,362'  
TD @ 5,413'



Castle Peak Federal #9-23  
2080 FSL 659 FEL  
NESE Section 23-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30654; Lease #UTU-15855

JL 1/20/2012



## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

- 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

- 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Castle Peak Federal #9-23-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

- 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Castle Peak Federal #9-23-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3700' - 5362'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3381' and the TD is at 5413'.

- 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Castle Peak Federal #9-23-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-15855) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 270' KB, and 5-1/2", 15.5# casing run from surface to 5405' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2049 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Castle Peak Federal #9-23-9-16, for existing perforations (4808' - 4821') calculates at 0.87 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2049 psig. We may add additional perforations between 3381' and 5413'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Castle Peak Federal #9-23-9-16, the proposed injection zone (3700' - 5362') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-10.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

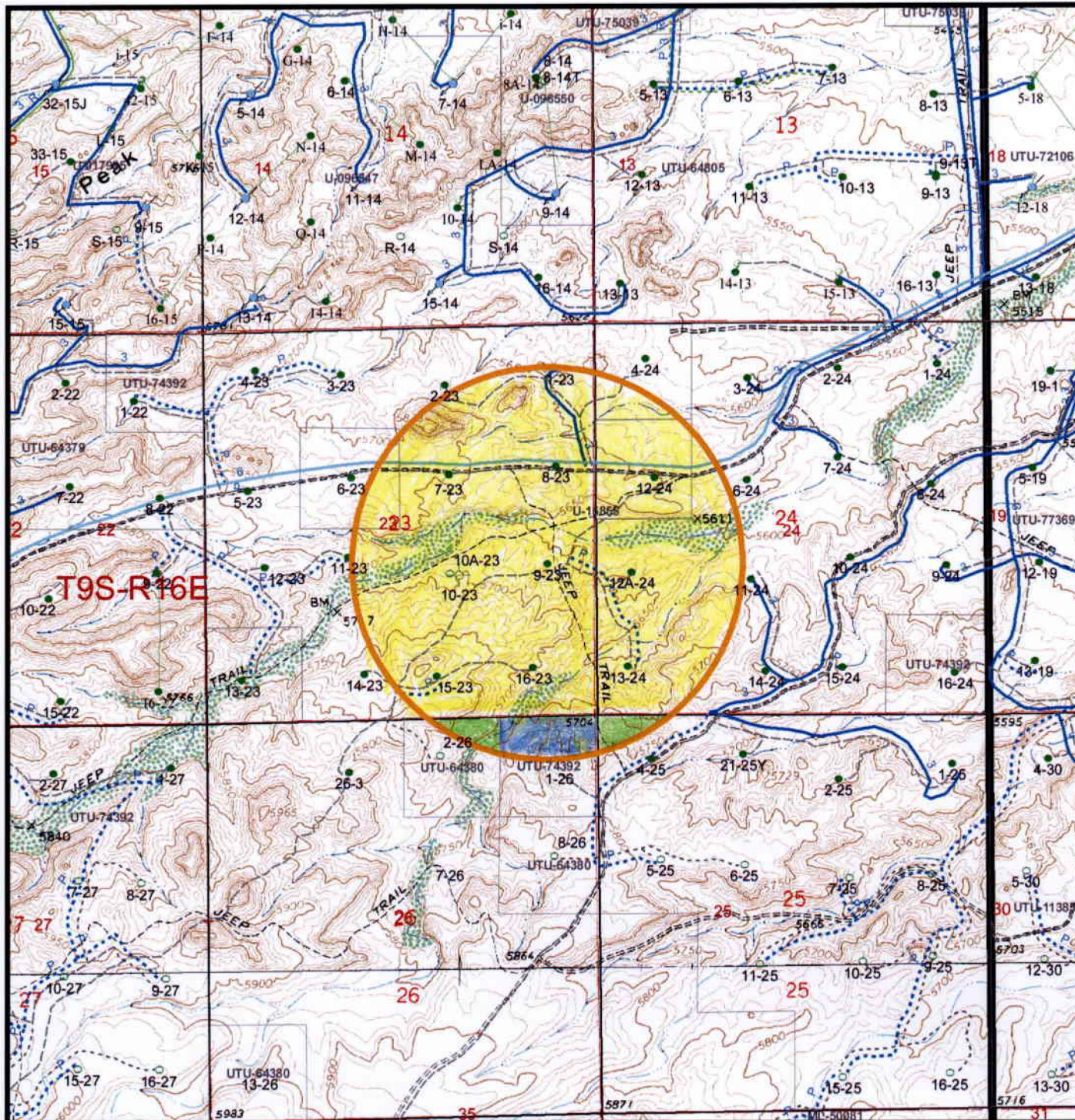
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





- WellStatus\_HalfMile\_Buffer**
- Well Status**
- Location
  - ⊙ CTI
  - ⊙ Surface Spud
  - ⊙ Drilling
  - ⊙ Waiting on Completion
  - Producing Oil Well
  - ⊙ Producing Gas Well
  - ⊙ Water Injection Well
  - ⊙ Dry Hole
  - ⊙ Temporarily Abandoned
  - ⊙ Plugged & Abandoned
  - ⊙ Shut In
- Countyline**
- Injection system**
- high pressure
  - low pressure
  - proposed
  - return
  - return proposed
- Leases**
- Mining tracts**

UTU-15855

UTU-74392

UTU-64380

Federal 9-23  
Section 23, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS



1" = 2000'

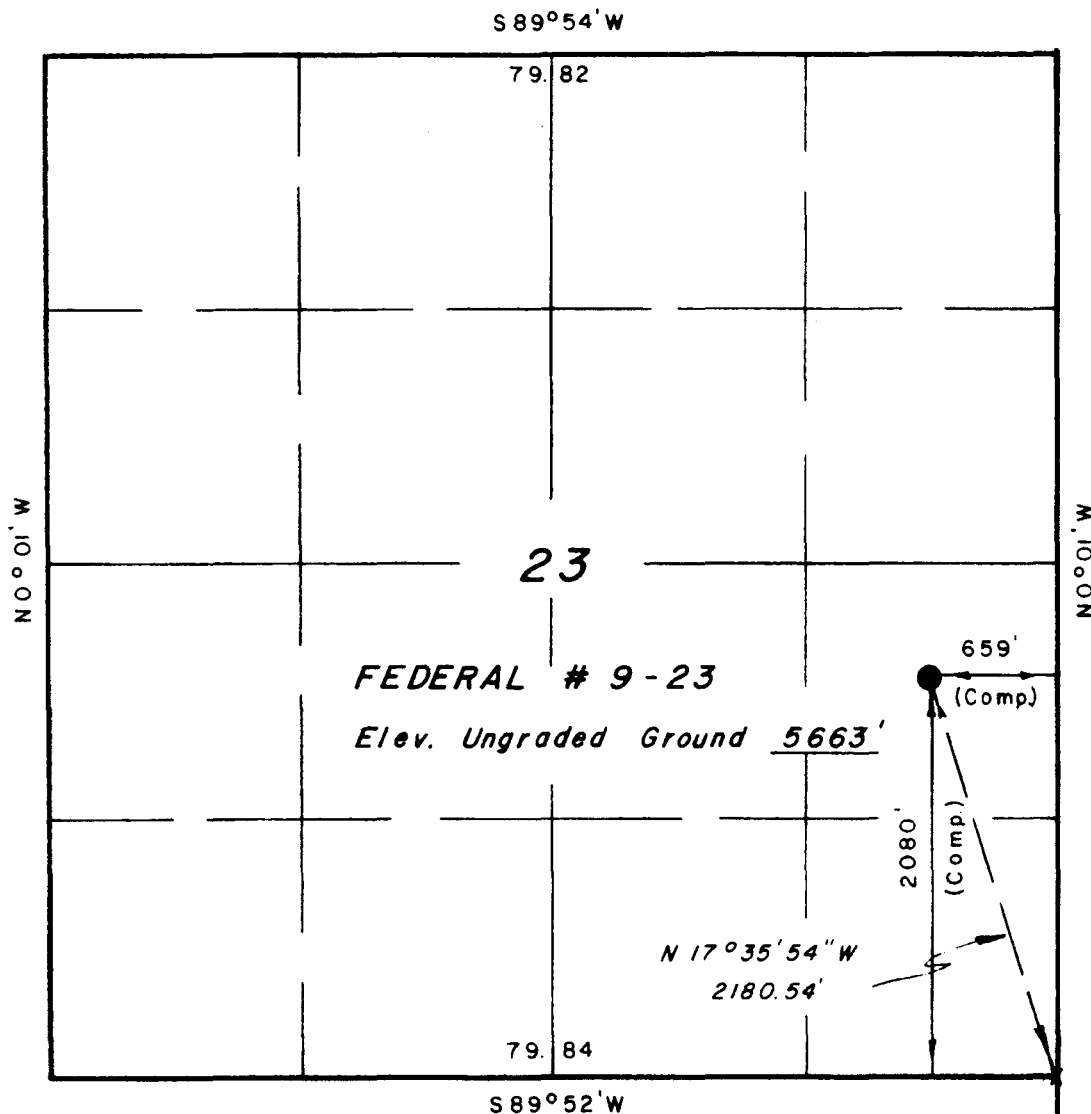
**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

Dec. 13, 2011



T 9 S , R 1 6 E , S , L . B . & M .



X = Section Corners Located

E 1/4 Corner Section 26, T9S, R16E, S.L.B. & M.

PROJECT  
LOMAX EXPLORATION CO.

Well location, *FEDERAL*  
# 9-23, located as shown  
in the NE 1/4 SE 1/4 Section  
23, T9S, R16E, S.L.B. & M.  
Duchesne County, Utah.

ATTACHMENT A-1



CERTIFICATE

I HEREBY CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	10 / 29 / 81
PARTY	L.D.T. S.H. S.B.	REFERENCES	GLO Plat
WEATHER	Fair	FILE	LOMAX EXPLOR

**EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas Ltd Six Gold Oil LLC Stone Energy Corp	USA
2	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: ALL Section 28: ALL	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation MYCO Industries Inc OXY Y-1 Company Yates Petroleum Coproration	USA
3	T9S-R16E SLM Section 25: N2, NESW, SE Section 26: NWNE, SENE, SWSW	USA UTU-64380 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Coproration	USA




ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

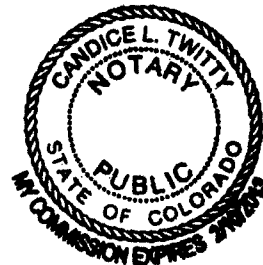
RE: Application for Approval of Class II Injection Well  
Castle Peak Federal #9-23-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 7<sup>th</sup> day of June, 2012.

Notary Public in and for the State of Colorado: Candice L. Twitty  
My Commission Expires  
02/10/2013  
My Commission Expires: \_\_\_\_\_



## Castle Peak Federal #9-23

Wellbore Diagram

Well History:

3-15-83 Spud Well  
 4-2-83 Perf: 4,808' -4,821'  
 4-5-83 Frac A-1 zone as follows:  
 Totals 26,500 gal, 88,000# 20/40 sd  
 Max TP 2,830 @ 30 BPM  
 Avg TP 2,500 @ 30 BPM  
 ISIP 2,080, after 5 min 1,990

GL: 5,663'

SURFACE CASING

CSG SIZE: 8-5/8"  
 WEIGHT: 24#  
 LENGTH: (271.06')  
 DEPTH LANDED: 270'GL  
 HOLE SIZE: 13"  
 CEMENT DATA: 210 sxs Class "G" with 2% CaCl and 1/4# per sc  
 celloflake.

PRODUCTION CASING

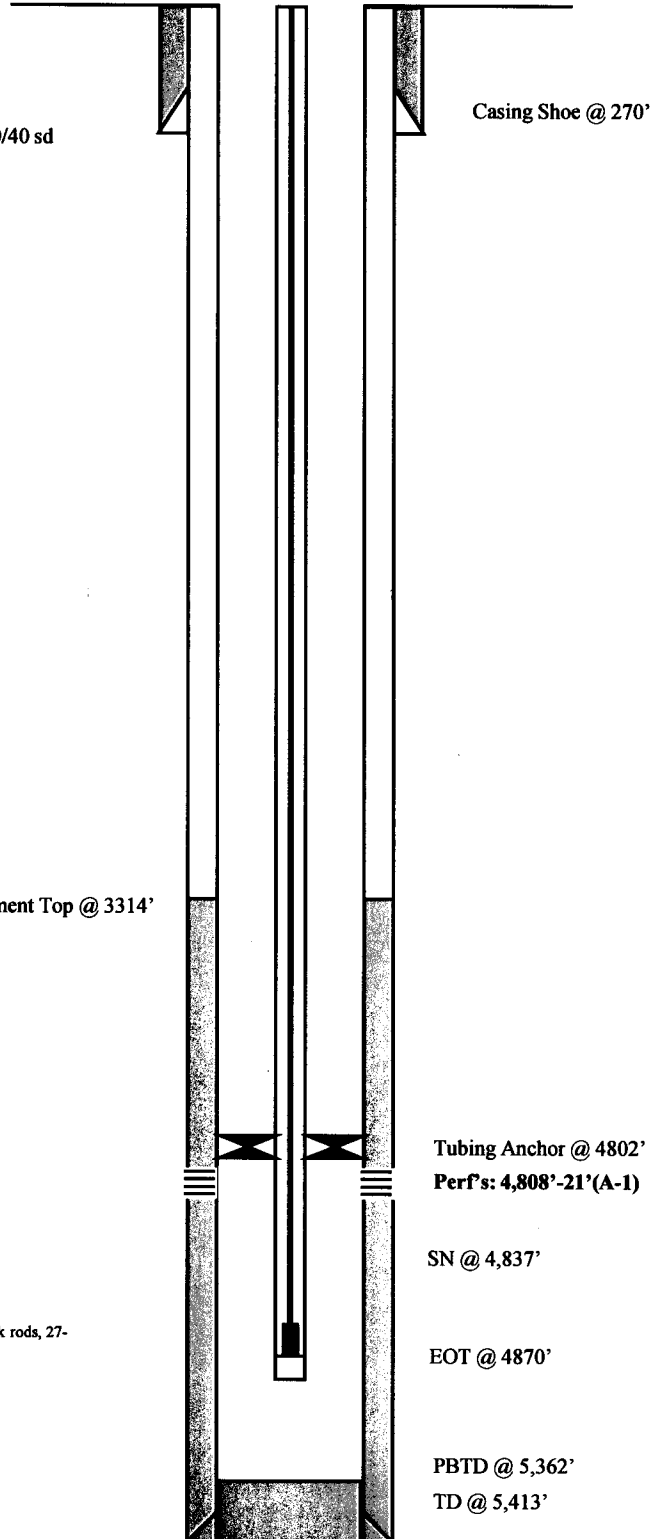
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 LENGTH: 133 jts.  
 DEPTH LANDED: 5405'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 200 sxs Hifill 275 sxs Thixotropic  
 CEMENT TOP AT: 3314'

TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55  
 NO. OF JOINTS: 151 jts. (4778.19')  
 TUBING ANCHOR: 4802.19'  
 NO. OF JOINTS: 1 jts. (31.63')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4836.62'  
 NO. OF JOINTS: 1 jts. (31.62')  
 TOTAL STRING LENGTH: EOT @ 4869.59'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 1- 2' x 3/4" pony rods, 101- 3/4" guided rods, 60- 3/4" slick rods, 27- 3/4" guided rods, 4- 1 1/2" weight bars.  
 PUMP SIZE: RIH w/ 2-1/2" x 1-1/4" x 16' RHAC CDI pump

**NEWFIELD**

Castle Peak Federal #9-23  
 2080 FSL 659 FEL  
 NESE Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30654; Lease #UTU-15855

## NEWFIELD

## Schematic

43-013-32961

Well Name: Federal 8-23-9-16

Surface Legal Location 23-9S-16E	API/UWI 43013329610000	Well RC 500159250	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 2/14/2008	Original KB Elevation (ft) 5,697	Ground Elevation (ft) 5,685	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,753.0

## Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 2/14/2014	Job End Date
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	--------------

TD: 5,810.0

Vertical - Original Hole, 3/10/2014 12:40:08 PM

MD (ftKB)	TVD (ftKB)	Incl (")	DLS	DLS (° ...)	Vertical schematic (actual)
11.8					
12.1					
12.8					
80.1					
313.3					
314.3					1; Surface; 8 5/8 in; 8,097 in; 12-314 ftKB; 302.25 ft
321.9					
3,946.9					2-1; Tubing; 2 7/8; 2,441; 12-3,947; 3,935.00
3,948.2					2-2; Nipple; 2 7/8; 2,441; 3,947-3,948; 1.10
3,949.8					2-3; On-Off Tool; 2 7/8; 2,441; 3,948-3,950; 1.80
3,957.0					2-4; Packer; 5 1/2; 4,950; 3,950-3,957; 7.00
3,957.3					2-5; XO Nipple; 2 3/8; 1,867; 3,957-3,957; 0.50
3,961.6					2-6; Tubing Pup Joint; 2 3/8; 1,867; 3,957-3,962; 4.10
3,963.3					2-7; XN Nipple; 2 3/8; 1,867; 3,962-3,963; 1.60
4,000.0					
4,015.1					
4,024.0					Perforated; 4,015-4,024; 2/12/2008
4,454.1					
4,462.9					Perforated; 4,454-4,463; 2/12/2008
4,725.1					
4,732.9					Perforated; 4,725-4,733; 2/12/2008
4,884.8					
4,901.9					Perforated; 4,885-4,902; 2/12/2008
4,939.0					
4,951.1					Perforated; 4,939-4,951; 2/12/2008
5,753.0					
5,753.3					
5,753.9					
5,797.2					
5,797.9					
5,810.0					2; Production; 5 1/2 in; 4,892 in; 12-5,798 ftKB; 5,785.90 ft

## FEDERAL 12A-24-9-16

Spud Date: 11/05/07  
Put on Production: 01/26/08

GL: 5640' KB: 5652'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (306.37')  
DEPTH LANDED: 318.22' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 0 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (5692.63')  
DEPTH LANDED: 5705.88' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP: 112'

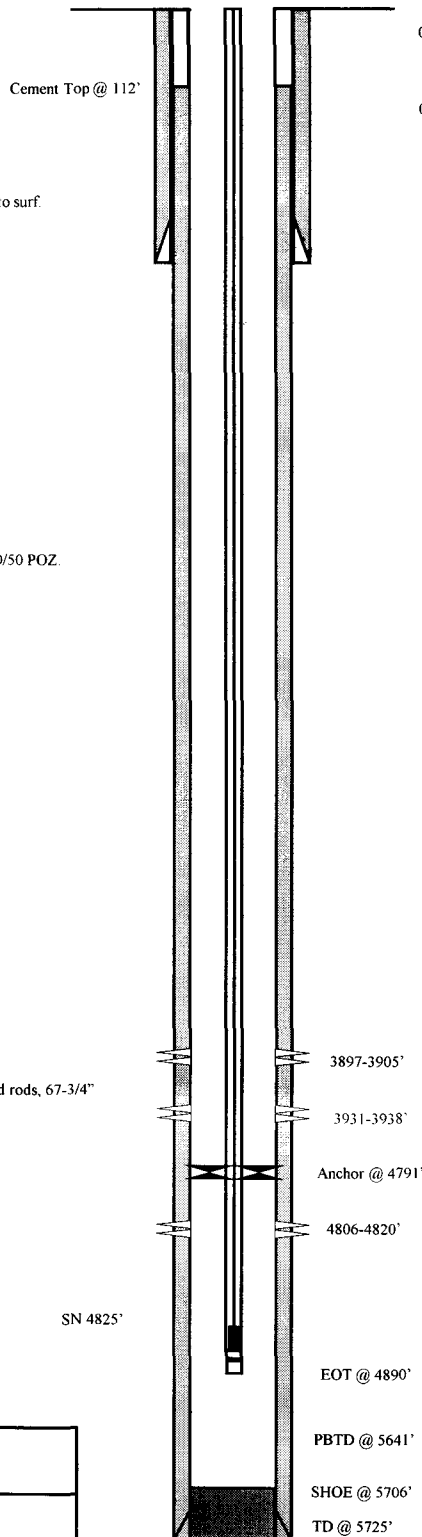
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 152 jts (4778.87')  
TUBING ANCHOR: 4790.87' KB  
NO. OF JOINTS: 1 jts (31.42')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4825.09' KB  
NO. OF JOINTS: 2 jts (62.86')  
TOTAL STRING LENGTH: EOT @ 4889.50' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM polished rods  
SUCKER RODS: 1-2', 4', 8' x 3/4" pony rods, 99-3/4" guided rods, 67-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods.  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, 5 SPM:

## Wellbore Diagram

**FRAC JOB**

01/22/2008 4806-4820' **Frac A1 sands as follows:**  
70235# 20/40 sand in 570 bbls Lightning 17  
frac fluid. Treated @ avg press of 1932 psi  
w/avg rate of 23.3 BPM. ISIP 2247 psi.  
01/22/2008 3897-3938' **Frac GB6 sands as follows:**  
64050# 20/40 sand in 507 bbl Lightning 17  
frac fluid. Treated @ avg press of 1813 psi  
w/avg rate of 23.3 BPM. ISIP 1701 psi.

**PERFORATION RECORD**

4806-4820'	4 JSPF	56 holes
3931-3938'	4 JSPF	28 holes
3897-3905'	4 JSPF	32 holes

**FEDERAL 12A-24-9-16**

1951' FSL & 482' FWL

NW/SW Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33341; Lease # UTU-15855

Sundry Number: 37624 A

Well Number: 430133334200'

Attachment E-3

Spud Date: 11/6/07

Put on Production: 2/5/08

GL: 5656' KB: 5668'

## FEDERAL 13-24-9-16

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (302.73')

DEPTH LANDED: 314.58'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 132 jts (5661.02')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 5674.27'

CEMENT DATA: 300 sk Prem. Lite II mixed &amp; 400 sxs 50/50 POZ.

CEMENT TOP AT: 92'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 118 jts (3727')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3739' KB

PACKER @: 3743.4'

TOTAL STRING LENGTH: EOT @ 3746.45'

Cement Top @ 92'

Casing Shoe @ 315'

Packer @ 3743'  
EOT @ 3746'

3808-3811'

4509-4512'

4780-4798'

4912-4922'

PBTD @ 5635'

TD @ 5700'

FRAC JOB

1/30/08 4912-4922'

**Frac LODC sands as follows**Frac with 19518# 20/40 sand in 315bbbs  
Lightning 17 fluid. Treat at 3001psi @  
23.2 BPM ISIP 3269 psi.

1/30/08 4780-4798'

**Frac AI sands as follows:**Frac with 102122# 20/40 sand in 772bbbs  
Lightning 17 fluid. Treat at 2124 psi @  
23.3 BPM ISIP 3269psi

8/12/09

**Pump Change** Updated rod & tubing  
details.

2/6/10

**Tubing leak.** Updated rod and tubing  
detail.

05/07/12 4509-4512'

**Frac C sands as follows:** Frac with  
11769# 20/40 sand in 154 bbs Lightning  
17 fluid

05/07/12 3808-3811'

**Frac GB2 sands as follows:**Frac with 19313# 20/40 sand in 262 bbs  
Lightning 17 fluid

05/09/12

**Convert to Injection Well**

05/15/12

**Conversion MIT Finalized** - update tbg  
detailPERFORATION RECORD

4780-4798' 4 JSPF 72 holes

4912-4922' 4 JSPF 40 holes

05/04/12 4509-4512' 3 JSPF 9 holes

05/04/12 3808-3811' 3 JSPF 9 holes

## NEWFIELD

Federal 13-24-9-16

684' FSL &amp; 423' FWL

SWSW Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33342; Lease #UTU-15855

Spud Date: 11-13-07  
Put on Production: 2-06-08  
GL: 5699' KB: 5711'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (312.75')  
DEPTH LANDED: 324.6  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132 jts (5686.17')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5699.42'  
CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 132'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 148 jts (4643.0')  
TUBING ANCHOR: 4643.0'  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4677.2' KB  
NO. OF JOINTS: 2 jts (62.8')  
TOTAL STRING LENGTH: EOT @ 4741' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 102- 3/4" guided rods, 54- 3/4" guided rods rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" x 20" RHAC pump w/ SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4

FRAC JOB

2/01/08 4665'-4673' **Frac B2 sands as follows:**  
Frac with 14023 # 20/40 sand in 307bbls Lightning 17 fluid. Treat at an ave pressure of 2365 psi @ 23.1 BPM. ISIP 2100 psi.

2/01/08 4582'-4588' **Frac B.5 sands as follows:**  
Frac with 17722 # 20/40 sand in 349 bbls Lightning 17 fluid. Treat at 2413 psi @ 23.3 BPM. ISIP 2271 psi.

2/01/08 4516'-4525' **Frac C sands as follows:**  
Frac with 53502# 20/40 sand in 479bbls Lightning 17 fluid. Treat at an ave pressure 2599psi @ 23.3 BPM. ISIP 2120 psi.

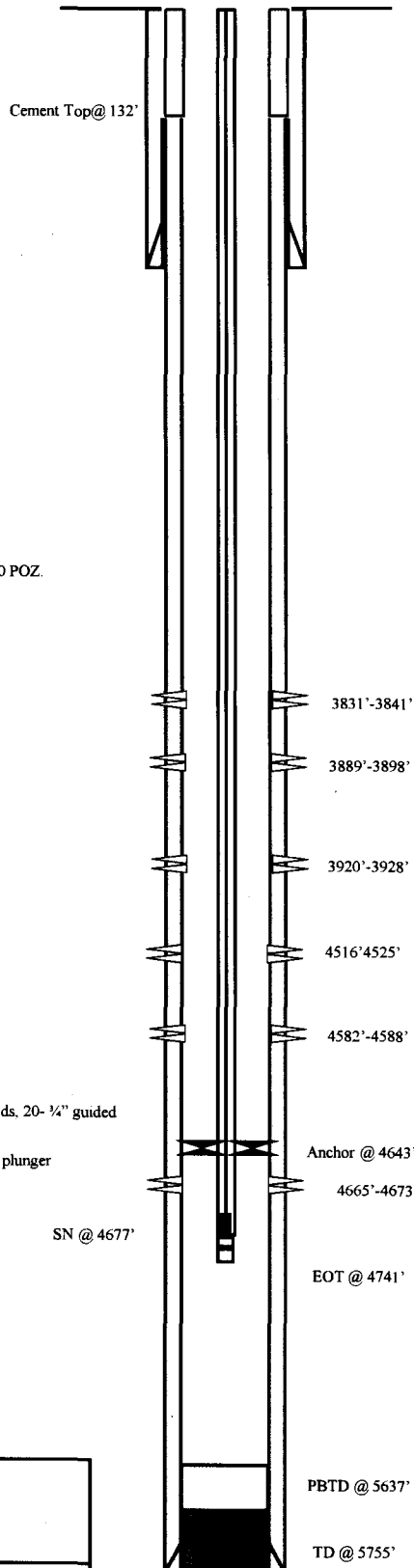
2/01/08 3889'-3928' **Frac GB6 & GB4 sand as follows:**  
Frac with 75504# 20/40 sand in 632 bbls Lightning 17 fluid. Treat at an ave pressure of 1555 psi @ 23.4 BPM. ISIP 1625 psi.

2/01/08 3831'-3841' **Frac GB2 sands as follows:**  
Frac with 24213# 20/40 sand in 248 bbls Lightning 17 fluid. Treat at an ave pressure of 1840 psi @ 23.2 BPM. ISIP 1760 psi.

8-12-08 Pump Change. Updated rod & tubing details.

10/8/09 Pump Change. Updated rod & tubing details.

11/23/2010 Pump change. Updated rod and tubing detail.

PERFORATION RECORD

3831'-3841'	4 JSPF	40 holes
3889'-3898'	4 JSPF	36 holes
3920'-3928'	4 JSPF	32 holes
4516'-4525'	4 JSPF	36 holes
4582'-4588'	4 JSPF	24 holes
4665'-4673'	4 JSPF	32 holes

NEWFIELD



Federal 16-23-9-16  
693' FSL & 857' FEL  
SESE Section 23-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33183; Lease #UTU-15855

## FEDERAL 15-23-9-16

Spud Date: 11/26/07

Put on Production: 3/14/08

GL: 5784' KB: 5796'

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT 24#

LENGTH 7 jts (310 15')

DEPTH LANDED: 322 00' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT 15.5#

LENGTH: 136 jts (5779 63')

DEPTH LANDED: 5792 88' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem Lite II mixed &amp; 400 sxs 50/50 POZ

CEMENT TOP: 156'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#

NO OF JOINTS 120 jts (3766 1')

SEATING NIPPLE: 2-7/8" (1 10')

SN LANDED AT: 3778 1' KB

ON/OFF TOOL AT: 3779 2'

ARROW #1 PACKER CE AT: 3785'

XO 2-3/8 x 2-7/8 J-55 AT: 3788'

TBG PUP 2-3/8 J-55 AT: 3788 5'

X/N NIPPLE AT: 3792 6'

TOTAL STRING LENGTH: EOT @ 3793 81'

TOC @ 156'

Casing Shoe @ 322'

SN @ 3778'

On Off Tool @ 3779'

Packer @ 3785'

X/N Nipple @ 3793'

EOT @ 3794'

3867-3873'

3897-3906'

3956-3969'

4597-4606'

5006-5014'

PBTD @ 5300

5345-5368'

TD @ 5800'

FRAC JOB

01/07/08 5345-5368'

Frac CP2 sands as follows:73000# 20/40 sand in 603 bbls Lightning 17  
frac fluid Treated @ avg press of 1939 psi  
w/avg rate of 23.2 BPM ISIP 2177 psi

03/11/08 5006-5014'

Frac LODC sands as follows:40149# 20/40 sand in 417 bbl Lightning 17  
frac fluid Treated @ avg press of 2660 psi  
w/avg rate of 26.2 BPM ISIP 3080 psi

03/11/08 4597-4606'

Frac C sands as follows:15394# 20/40 sand in 262 bbls Lightning 17  
frac fluid Treated @ avg press of 2078 psi  
w/avg rate of 23.3 BPM ISIP 2078 psi

03/11/08 3956-3969'

Frac GB6 sands as follows:79237# 20/40 sand in 602 bbls Lightning 17  
frac fluid Treated @ avg press of 1468 psi  
w/avg rate of 26.2 BPM ISIP 1460 psi

03/11/08 3867-3906'

Frac GB4 & GB2 sands as follows:25572# 20/40 sand in 325 bbls Lightning 17  
frac fluid Treated @ avg press of 1710 psi  
w/avg rate of 25.9 BPM ISIP 1585 psi

12/30/08

Parted rods Updated r &amp; t details

02/03/11

Tubing Leak Updated R &amp; T details

08/23/13

Convert to Injection Well

08/23/13

Conversion MIT Finalized - update tbg  
detailPERFORATION RECORD

5345-5368'	4 JSPF	92 holes
5006-5014'	4 JSPF	32 holes
4597-4606'	4 JSPF	36 holes
3956-3969'	4 JSPF	52 holes
3897-3906'	4 JSPF	36 holes
3867-3873'	4 JSPF	24 holes

## NEWFIELD

## FEDERAL 15-23-9-16

603' FSI. & 2162' FEL  
SW/SE Section 23-T9S-R16E  
Duchesne Co, Utah

API #43-013-33182; Lease # UTU-15855

Spud Date: 1-15-08  
 Put on Production: 3-7-08  
 GL: 5726' KB: 5738'

## FEDERAL 11-23-9-16

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309 09')  
 DEPTH LANDED: 320 94' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "C" cmt, est 3 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15 5#  
 LENGTH: 134 jts (5775 25')  
 DEPTH LANDED: 5768 37' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT: 26'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5#  
 NO OF JOINTS: 124 jts (3903 0')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 3915 0' KB  
 ON/OFF TOOL AT: 3916 1'  
 ARROW #1 PACKER CE AT: 3922'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3925 1'  
 TBG PUP 2-3/8 J-55 AT: 3925 6'  
 X/N NIPPLE AT: 3929 8'  
 TOTAL STRING LENGTH: EOT @ 3931'

FRAC JOB

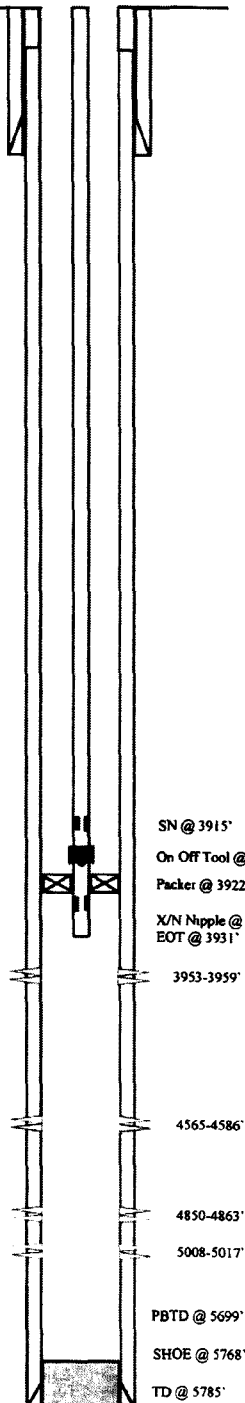
03-04-08 4565-4586' **Frac C sands as follows:**  
 90836# 20/40 sand in 686 bbls Lightning 17  
 frac fluid Treated @ avg press of 2017 psi  
 w/avg rate of 23 l BPM ISIP 2180 psi Calc  
 flush: 4563 gal Actual flush 4477 gal

06/05/2008 3953-3959' **Frac GB6, sands as follows:**  
 16621# 20/40 sand in 206 bbls Lightning 17  
 frac fluid Treated @ avg press of 2261 psi  
 w/avg rate of 15 BPM ISIP 1696 psi

06/05/2008 4850-4863' **Frac A1, sands as follows:**  
 50043# 20/40 sand in 446 bbls Lightning 17  
 frac fluid Treated @ ave press of 3342  
 psi w/avg rate 15 BPM ISIP 2218 psi

06/05/2008 5008-5017' **Frac LODC, sands as follows:**  
 45090# 20/40 sand in 445 bbls of Lightning  
 17 frac fluid Treated @ ave press of 4224  
 psi w/avg rate 15 BPM W/ 6.5 ppg of sand  
 ISIP 3173 psi

12/13/12 **Convert to Injection Well**  
 12/13/12 **Conversion MITT Finalized - update tbg  
 detail**

PERFORATION RECORD

02-29-08	4565-4586'	4 JSPF	84 holes
06-05-08	3953-3959'	4 JSPF	24 holes
06-05-08	4850-4863'	4 JSPF	52 holes
06-05-08	5008-5017'	4 JSPF	36 holes

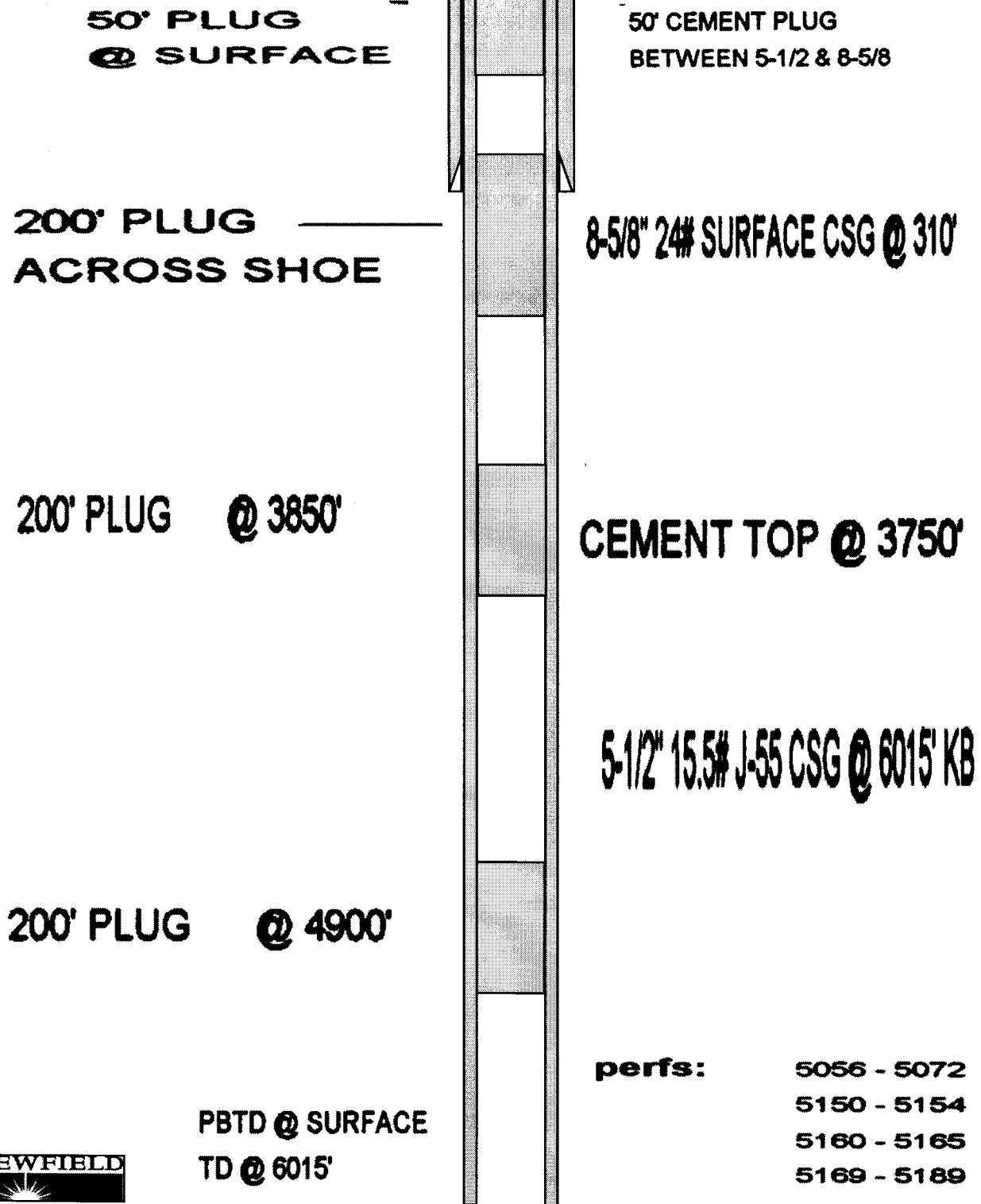
**NEWFIELD****FEDERAL 11-23-9-16**

2236' FSL & 1922' FWL  
 NE/SW Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33178; Lease # UTU-15855



Federal 1-26-9-16

P & A



Federal 1-26-9-16  
 741' FNL & 515' FEL  
 NENE Section 26-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30636; Lease #U-43609

## NEWFIELD

## Schematic

Well Name: Federal 7-23-9-16

43-013-30662

Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
1967' FNL & 1985' FEL SWNE SECTION 23-T9S-R16E		43013306620000	500150872		Utah	GMBU CTB6	DUCHESNE
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 5,322.0
7/21/1983	8/8/1983	8/26/1983		5,706			

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Conversion	Basic	4/16/2014	

TD: 5,373.0

Vertical - Original Hole, 4/28/2014 9:20:25 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)	
			DLS (° ...)		
12.1				<p>1; Surface; 8 5/8 in; 8.097 in; 12-281 ftKB; 269.00 ft</p> <p>2-1; Tubing; 2 7/8; 2.441; 12-4,820; 4,808.40</p> <p>2-2; Pump Seating Nipple; 2 7/8; 2.441; 4,820-4,822; 1.10</p> <p>2-3; On-Off Tool; 2 7/8; 2.441; 4,822-4,823; 1.50</p> <p>2-4; Packer; 5 1/2; 4.950; 4,823-4,830; 6.95</p> <p>2-5; Cross Over; 2 3/8; 1.991; 4,830-4,830; 0.50</p> <p>2-6; Tubing Pup Joint; 2 3/8; 4,830-4,835; 4.10</p> <p>2-7; XN Nipple; 2 3/8; 4,835-4,836; 1.60</p> <p>Perforated; 4,872-4,910; 8/11/1983</p> <p>2; Production; 5 1/2 in; 4.892 in; 12-5,373 ftKB; 5,361.00 ft</p>	
279.9					
280.8					
1,483.9					
4,820.5					
4,821.5					
4,823.2					
4,830.1					
4,830.4					
4,834.6					
4,836.3					
4,872.0					
4,910.1					
5,321.9					
5,330.7					
5,332.3					
5,372.4					
5,373.0					

Spud Date: 09/21/81

Put on Production: 11/07/81

GL: 5663' KB: '

## Castle Peak Federal 12-24-9-16

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: jts (294')

DEPTH LANDED: 294' KB

HOLE SIZE: 12-1/4"

CEMENT DATA:

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: ? jts (')

DEPTH LANDED: 6019'

HOLE SIZE: 7-7/8"

CEMENT DATA:

CEMENT TOP AT: 2870'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 126 jts (3842.4')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3854.4' KB

ON/OFF TOOL AT: 3855.5'

ARROW #1 PACKER CE AT: 3861.3'

XO 2-3/8 x 2-7/8 J-55 AT: 3864.3'

TBG PUP 2-3/8 J-55 AT: 3864.8'

X/N NIPPLE AT: 3869'

TOTAL STRING LENGTH: EOT @ 3871'

FRAC JOB

9-21-81 Spud Well

10-24-81 Perf: 5,736'-5,835'

10-30-82 Frac BGR zone as follows: Totals 3,000 gal,  
2,000# sd Avg TP 2,300  
ISIP 1,580, after 5 min 1,450

11-3-81 Perf: 5,324'-5,340', 5,314'-5,319'  
Frac CP-1 zone as follows: Totals 26,500 gal,  
40,000# 20/40 sd 9,000# 10/20 sd  
ISIP 2,160, after 5 min 2,120

9-29-82 Perf: 4,607'-4,609', 4,612'-4,618'

9-30-82 Frac C-SD zone as follows: Totals 35,500 gal,  
85,000# 20/40 sd Max TP 2,800 @ 30  
BPM Avg TP 2,400 @ 30 BPM  
ISIP 2,000, after 5 min 1,750

10-5-82 Perf: 3,923'-3,931', 3,941'-3,948'

10-6-82 Frac GB-6 zone as follows: Totals 35,500 gal,  
85,000# 20/40 sd Max TP 2,400 @ 30  
BPM Avg TP 1,900 @ 30 BPM  
ISIP 1,700, after 5 min 1,575

5/11/2009 Re-Completion

5/11/2009 5314-5340' Frac stg#1 CPI sds as follows: 80,105# 20/40  
sand in 740 bbls of Lightning 17 fluid. Treated @  
ave pressure of 3498 w/ ave rate of 17 bpm w/ 6  
ppg sand. ISIP was 2198 w/ 85FG. 5 minutes  
was 2145. 10 min was 2135. 15 min was 2126  
(10 psi on casing).

SN @ 3854'

On Off Tool @ 3855'

Packer @ 3861' 5/11/2009 4880-4929' Frac A sds as follows: 50,237# 20/40 sand in 488  
bbls of Lightning 17 frac fluid. Treated @ ave  
pressure of 4470 w/ ave rate of 17.1 bpm w/ 6 ppg  
sand. ISIP was 1946 w/ 83FG. 5 minutes was  
1919. 10 min was 1807. 15 min was 1734 (0 psi  
on casing).

X/N Nipple @ 3869'

EOT @ 3871'

3923-3931'

3941-3948' 5/11/2009 4736-4740' Frac B1 sds as follows: 16,144# 20/40 sand in  
208 bbls of Lightning 17 frac fluid. Treated @ ave  
pressure of 4147 w/ ave rate of 17.1 bpm w/ 6 ppg  
sand. ISIP was 2014 w/ 86FG. 5 minutes was  
1646. 10 min was 1607. 15 min was 1586 (0 psi  
on casing).

11/21/12 Convert to Injection Well

11/27/12 Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

5736-5835'	JSPF	holes
5324-5340'	JSPF	holes
5314-5319'	JSPF	holes
4612-4618'	JSPF	holes
4607-4609'	JSPF	holes
3941-3948'	JSPF	holes
3923-3931'	JSPF	holes
4/20/09 5324-5340'	4 JSPF	64 holes
4/20/09 5314-5319'	4 JSPF	16 holes
4/20/09 4925-4929'	4 JSPF	16 holes
4/20/09 4917-4921'	4 JSPF	16 holes
4/20/09 4880-4886'	4 JSPF	16 holes
4/20/09 4736-4740'	4 JSPF	16 holes



Castle Peak Federal 12-24-9-16  
749 FWL 1982 FNL  
SWNW Section 24-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30588; Lease #U-15855

# FEDERAL 1-23-9-16

Attachment E-10

Spud Date: 12/06/07  
Put on Production: 02/11/08  
GL: 5651' KB: 5663'

Initial Production: BOPD,  
MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (309.17')  
DEPTH LANDED: 321'  
HOLE SIZE: 12 1/4"  
CEMENT DATA: To Surface w/160sx of class 'G' cement

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5815'  
DEPTH LANDED: 5784'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sx of Primplite II and 400 sx of 50/50 poz.  
CEMENT TOP: 91'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 170 jts (5430.4')  
TUBING ANCHOR: 5442' KB  
NO. OF JOINTS: 1 jt (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5476.7' KB  
NO. OF JOINTS: 2 jts (62.8')  
TOTAL STRING LENGTH: EOT @ 5541' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 1-2', 1-4' x 3/4" pony rod, 2-8' x 3/4" pony rods, 99- 3/4" guided rods, 89- 3/4" sucker rods, 20- 3/4" guided rods, 6- 1 1/2" sinker bars  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED: 5 SPM

### FRAC JOB

2/19/08 5365-5373

**Frac CP1 sds** w/ 22,746#s of 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3471 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2152 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1913 psi. Calc flush: ? Actual Flush: 4830 gals.

2/19/08 4898-4916

**Frac A1 & A3 sds** w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.

2/19/08 4951-4963

**Frac A1 & A3 sds** w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.

2/19/08 4007-4018

**Frac GB6 sds** w/ 43,024#s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 3772 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1653 psi @ ave rate of 23.2 BPM. ISIP 1697 psi. Calc flush: ? Actual Flush: 3948 gals.

10/8/08 Pump change. Updated rod & tubing details.

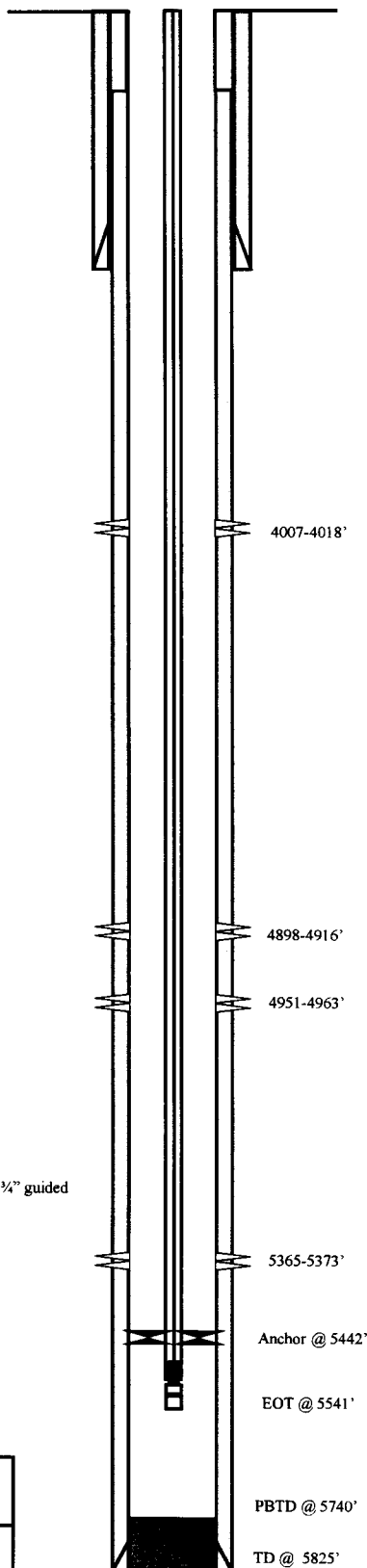
2/1/2010 Pump change. Updated rod and tubing detail.

12/22/2010 Tubing Leak. Update rod and tubing details

01/18/2011 Pump Change. Rods & tubing details updated.

### PERFORATION RECORD

02/12/08	5365-5373	4 JSPF	32 holes
02/19/08	4951-4963	4 JSPF	48 holes
02/19/08	4898-4916	4 JSPF	72 holes
02/19/08	4007-4018	4 JSPF	44 holes



**NEWFIELD**

**FEDERAL 1-23-9-16**

632' FNL & 472' FEL

NE/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33002; Lease # U-15855



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **BELUGA INJECTION**  
 Sample Point: **Comingled**  
 Sample Date: **1/16/2012**  
 Sample ID: **WA-205556**

Sales Rep: **Darren Betts**  
 Lab Tech: **John Keel**

Scaling potential predicted using ScaleSoftPitzer from  
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations	mg/L	Anions	mg/L
Test Date:	1/16/2012	Sodium (Na):	2975.08	Chloride (Cl):	3800.00
System Temperature 1 (°F):	300.00	Potassium (K):	10.00	Sulfate (SO4):	374.00
System Pressure 1 (psig):	1300.00	Magnesium (Mg):	12.50	Bicarbonate (HCO3):	1049.00
System Temperature 2 (°F):	70.00	Calcium (Ca):	28.00	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):		Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.00	Barium (Ba):	2.20	Propionic Acid (C2H5COO)	0.00
pH:	8.20	Iron (Fe):	0.50	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	8252.18	Zinc (Zn):	0.40	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.30	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.20	Silica (SiO2):	
H2S in Water (mg/L):	55.00				

## Notes:

P=2.8

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.79	15.32	1.73	1.29	3.48	0.28	0.81	0.31	0.00	0.00	0.00	0.00	0.00	0.00	11.70	0.21
95	157	0.82	15.56	1.50	1.27	3.26	0.28	0.94	0.32	0.00	0.00	0.00	0.00	0.00	0.00	11.18	0.21
121	300	0.89	16.81	1.32	1.25	3.14	0.28	1.09	0.33	0.00	0.00	0.00	0.00	0.00	0.00	10.77	0.21
146	443	0.99	18.22	1.19	1.22	3.08	0.28	1.24	0.34	0.00	0.00	0.00	0.00	0.00	0.00	10.44	0.21
172	585	1.10	19.64	1.09	1.21	3.08	0.28	1.39	0.35	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.21
197	728	1.23	20.92	1.03	1.19	3.11	0.28	1.53	0.35	0.00	0.00	0.00	0.00	0.00	0.00	9.94	0.21
223	871	1.36	21.98	1.00	1.18	3.17	0.28	1.65	0.35	0.00	0.00	0.00	0.00	0.00	0.00	9.76	0.21
248	1014	1.50	22.79	0.99	1.18	3.26	0.28	1.77	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.21
274	1157	1.65	23.37	1.00	1.18	3.36	0.28	1.87	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.47	0.21
300	1300	1.79	23.76	1.02	1.18	3.47	0.28	1.96	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.21

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.98	0.12	0.00	0.00	0.00	0.00	0.00	0.00
95	157	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.14	13.13	0.12	0.00	0.00	0.00	0.00	0.00	0.00
121	300	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.21	12.45	0.12	0.00	0.00	0.00	0.00	0.00	0.00
146	443	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.24	11.87	0.12	0.00	0.00	0.00	0.00	0.00	0.00
172	585	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.25	11.38	0.12	0.00	0.00	0.00	0.00	0.00	0.00
197	728	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.26	10.96	0.12	0.00	0.00	0.00	0.00	0.00	0.00
223	871	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.26	10.61	0.12	0.00	0.00	0.00	0.00	0.00	0.00
248	1014	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.27	10.30	0.12	0.00	0.00	0.00	0.00	0.00	0.00
274	1157	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.27	10.04	0.12	0.00	0.00	0.00	0.00	0.00	0.00
300	1300	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.27	9.80	0.12	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

ATTACHMENT F  
2 of 5

**multi-chem**  
A HALLIBURTON SERVICE



Units of Measurement: **Standard**

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Michael McBride**Well Name: **FEDERAL 9-23-9-16**Lab Tech: **Gary Peterson**

Sample Point:

Sample Date: **5/16/2012**

Scaling potential predicted using ScaleSoftPitzer from

Sample ID: **WA-215014**

Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations	mg/L	Anions	mg/L
Test Date:	6/5/2012	Sodium (Na):	7304.41	Chloride (Cl):	10500.00
System Temperature 1 (°F):	200.00	Potassium (K):	109.00	Sulfate (SO <sub>4</sub> ):	250.00
System Pressure 1 (psig):	2000.0000	Magnesium (Mg):	12.30	Bicarbonate (HCO <sub>3</sub> ):	1415.20
System Temperature 2 (°F):	60.00	Calcium (Ca):	45.70	Carbonate (CO <sub>3</sub> ):	0.00
System Pressure 2 (psig):	60.0000	Strontium (Sr):	0.00	Acetic Acid (CH <sub>3</sub> COO)	0.00
Calculated Density (g/ml):	1.011	Barium (Ba):	46.00	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	0.00
pH:	8.80	Iron (Fe):	2.40	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	0.00
Calculated TDS (mg/L):	19685.15	Zinc (Zn):	0.04	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	0.00
CO <sub>2</sub> in Gas (%):	0.00	Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO <sub>2</sub> (mg/L):	110.88	Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Gas (%):	0.00	Manganese (Mn):	0.10	Silica (SiO <sub>2</sub> ):	
H <sub>2</sub> S in Water (mg/L):	5.00				

## Notes:

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	60.00	1.55	37.84	2.63	27.33	3.70	1.32	1.97	1.72	0.00	0.00	0.00	0.00	0.00	0.00	10.31	0.02
75.00	275.00	1.56	37.90	2.46	27.29	3.54	1.32	2.04	1.73	0.00	0.00	0.00	0.00	0.00	0.00	9.96	0.02
91.00	491.00	1.58	37.97	2.32	27.25	3.40	1.32	2.11	1.73	0.00	0.00	0.00	0.00	0.00	0.00	9.64	0.02
106.00	706.00	1.60	38.07	2.19	27.20	3.29	1.32	2.18	1.74	0.00	0.00	0.00	0.00	0.00	0.00	9.35	0.02
122.00	922.00	1.62	38.17	2.08	27.14	3.20	1.32	2.24	1.74	0.00	0.00	0.00	0.00	0.00	0.00	9.09	0.02
137.00	1137.00	1.65	38.29	1.99	27.08	3.13	1.32	2.30	1.74	0.00	0.00	0.00	0.00	0.00	0.00	8.85	0.02
153.00	1353.00	1.68	38.41	1.91	27.02	3.08	1.32	2.35	1.74	0.00	0.00	0.00	0.00	0.00	0.00	8.63	0.02
168.00	1568.00	1.71	38.54	1.85	26.96	3.05	1.32	2.40	1.74	0.00	0.00	0.00	0.00	0.00	0.00	8.44	0.02
184.00	1784.00	1.75	38.66	1.79	26.90	3.03	1.32	2.45	1.74	0.00	0.00	0.00	0.00	0.00	0.00	8.26	0.02
200.00	2000.00	1.79	38.79	1.75	26.84	3.01	1.32	2.49	1.74	0.00	0.00	0.00	0.00	0.00	0.00	8.09	0.02

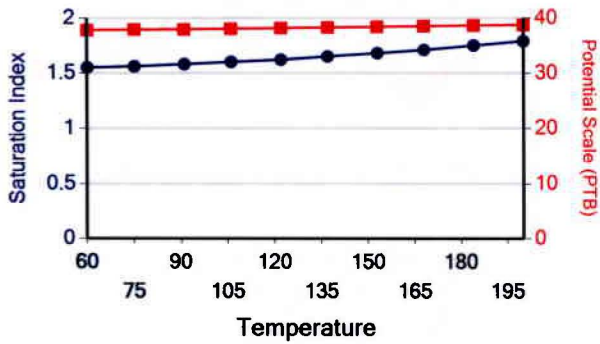
		Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.00	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.00	491.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.00	706.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.00	922.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.00	1137.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.00	1353.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168.00	1568.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
184.00	1784.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



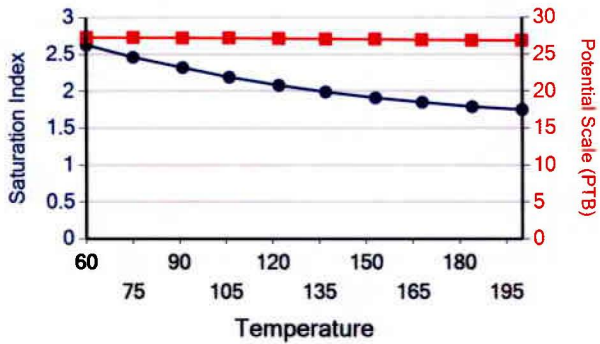
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate

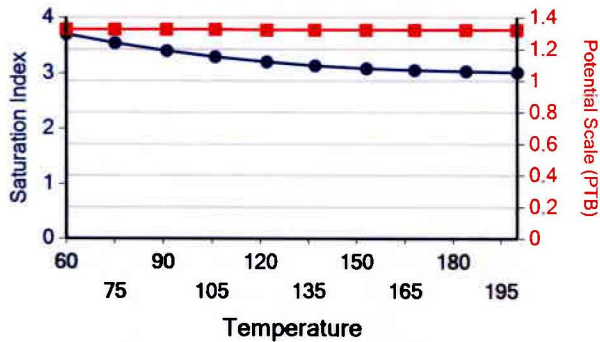
Calcium Carbonate



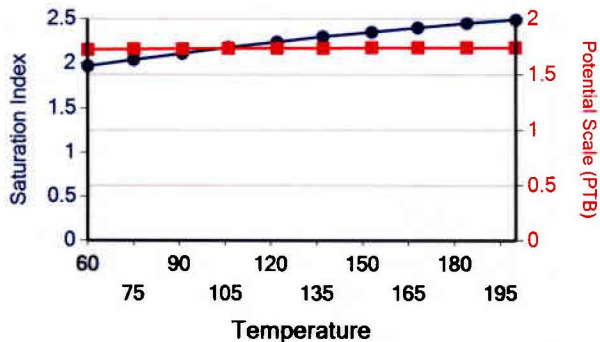
Barium Sulfate



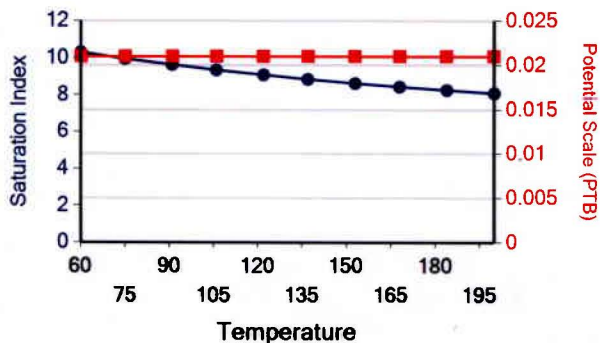
Iron Sulfide



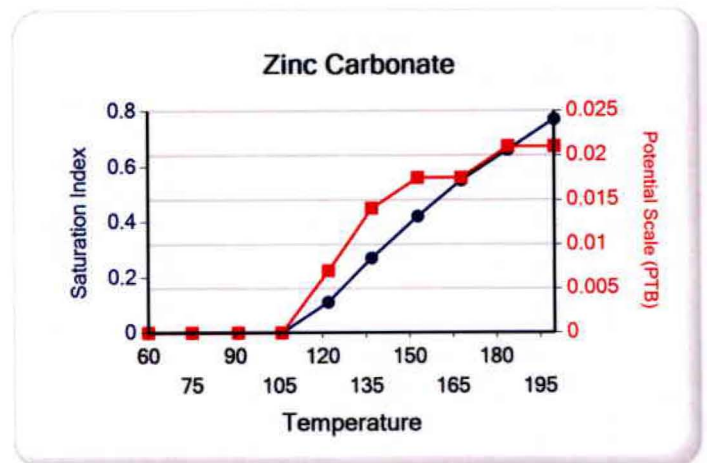
Iron Carbonate



Zinc Sulfide







Attachment "G"

**Federal #9-23-9-16**  
**Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax 2049 ←
Top	Bottom			Minimum	
4808	4821	4815	2080	0.87	<u>2049</u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
where pressure gradient for the fresh water is .433 psi/ft and  
specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

LOMAX EXPLORATION COMPANY  
Federal #9-23  
NE/SE Section 23, T9S, R16E  
Duchesne County, Utah

## COMPLETION REPORT

- 04/01/83 Move to location & R/U. Unload & tally 176 jts 2 7/8" tubing. P/U tubing & RIH w/bit & scraper. Tag bottom @ 5360'. Pres test to 3000 psi - OK. Displaced hole w/5% KCl water + clay stab. SDFN.
- 04/02/83 Present Operation - prep to frac. (2 days)  
REMARKS: Pull 2 7/8" tubing out of hole. L/D bit & scraper. R/U Petro Log to run bond log. Bond tool wouldn't work. Ran new tool & logged well from 5360-3300'. R/U to perf & perf 4808-21' w/1 SPF. Shut down for weekend.
- 04/05/83 Present Operation - shut in. (3 days)  
REMARKS: R/U Halliburton to frac well as follows:  
1) Pumped 8000 gal pad  
2) " 2000 gal 1 ppg 20/40 sand  
3) " 3000 gal 2 ppg 20/40 sand  
4) " 4500 gal 4 ppg 20/40 sand  
5) " 5000 gal 6 ppg 20/40 sand  
6) " 4000 gal 8 ppg 20/40 sand  
7) Flush to perfs  
Max TP - 2830 @ 30 BPM, Avg TP - 2500 @ 30 BPM, ISIP 2080, 1990 after 5 min, 1930 after 10 min, 1890 after 15 min. Shut well in for night.
- 04/06/83 Present Operation - swabbing. (4 days)  
REMARKS: CP - 85#. Open well to tank. Flowed small stream of water. P/U Pkr & 2 7/8" tubing & RIH. Set pkr @ 4590'. Made 25 swab runs. Recovered 120 BNO & 120 BLW. (100% oil on last run w/trace of sand)
- 04/07/83 Present Operation - flowing. (5 days)  
REMARKS: TP - 430#. Flowed well to tank on 18/64 choke. Made 70 bbls in 7 hrs. Left well flowing to tank overnight. Well made approx 90 B0.
- 04/08/83 Present Operation - flowing. (6 days)  
REMARKS: Flow line plugged going to tank. Pumped line free. Flowed well to tank thru 18/64 choke. Flowed 140 B0. Left well flowing to tank overnight.
- 04/09/83 Present operation - rigging down. (7 days)  
REMARKS: Flow line plugged. Pumped out line & flowed well to tank for 1 1/2 hrs. Released pkr & circ oil out of tubing. Pull tubing & L/D pkr. P/U 1 jt tbg, SN, NC, 2 jts tbg, tbg anchor & 150 jts tbg. Set anchor & landed tbg w/10,000# tension. EOT @ 4864'; SN @ 4832'; Anchor @ 4768'. Made up wellhead & P/U pump. Ran pump, 4 wt rods, 187 - 3/4" rods, 1 - 8 3/4, 1 - 6 3/4, 1 - 4 3/4 pony rods & 1 polish rod. Landed rods & pressure test pump - held OK.
- 04/10/83 Rig down & move off service unit. (8 days)

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 4758'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Perforate 4 JSPF @ 2728'
4. Plug #2 161' plug covering Trona/Mohagany Bench Formation using 30 sx Class "G" Cement pumped under CICR and out perforations. Follow using 13 sx Class "G" cement pumped on top of CICR
5. Perforate 4 JSPF @ 1360'
6. Plug #3 120' plug covering Uinta/Green River formation using 25sx Class "G" cement pumped under CICR and out perforations. Follow using 7 sx Class "G" cement pumped on top of CICR
7. Perforate 4 JSPF @ 320'
8. Plug #4 Circulate 99 sx Class "G" cement down 5 ½" casing and up the 5-1/2" x 8-5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

## Castle Peak Federal #9-23

Proposed P&A  
Wellbore DiagramWell History:

3-15-83 Spud Well  
 4-2-83 Perf: 4,808'-4,821'  
 4-5-83 Frac A-1 zone as follows:  
 Totals 26,500 gal, 88,000# 20/40 sd  
 Max TP 2,830 @ 30 BPM  
 Avg TP 2,500 @ 30 BPM  
 ISIP 2,080, after 5 min 1,990  
 GL: 5,663'

SURFACE CASING

CSG SIZE: 8-5/8"  
 WEIGHT: 24#  
 LENGTH: (271.06')  
 DEPTH LANDED: 270'GL  
 HOLE SIZE: 13"  
 CEMENT DATA: 210 sxs Class "G" with 2% CaCl and 1/4# per sc  
 celloflake.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 LENGTH: 133 jts.  
 DEPTH LANDED: 5405'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 200 sxs Hifill 275 sxs Thixotropic  
 CEMENT TOP AT: 3314'

TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55  
 NO. OF JOINTS: 151 jts. (4778.19')  
 TUBING ANCHOR: 4802.19'  
 NO. OF JOINTS: 1 jts. (31.63')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4836.62'  
 NO. OF JOINTS: 1 jts. (31.62')  
 TOTAL STRING LENGTH: EOT @ 4869.59'

Casing Shoe @ 270'

Circulate 99s x Class G Cement down 5 - 1/2" casing and  
 up the 5-1/2" x 8-5/8" annulus

Perforate 4 JSPF @ 320'

7 sx Class G Cement plug on top of CICR

CICR @ 1300'

25 sx Class G Cement plug below CICR

Perforate 4 JSPF @ 1360'

Uinta/Green River

120' Plug w/0'  
 excess  
 (1240'-1360')

13 sx Class G Cement plug on top of CICR

CICR @ 2678'

30 sx Class G Cement plug below CICR

Perforate 4 JSPF @ 2728'

Trona/Mahogany  
Bench

161' Plug w/0'  
 excess  
 (2567' - 2728')

Cement Top @ 3314'

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4758'

Perfs: 4,808'-21'(A-1)

PBTD @ 5,362'

TD @ 5,413'

**NEWFIELD**

Castle Peak Federal #9-23  
 2080 FSL 659 FEL  
 NESE Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30654; Lease #UTU-15855

JL 1/20/2012